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ABSTRACT

This compilation presents over 950 resumes of instructional materials in agricultural education, which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a broad range of fields and occupations, such as agribusiness, agronomy, animal and plant sciences, farm mechanics, floriculture, and off-farm agricultural occupations. The resumes are arranged in ascending order according to an accession number and include the following information: (1) author(s), (2) title, (3) institutional source, (4) sponsoring agency, (5) grant, contract, and program area numbers, (6) report and bureau numbers, (7) sources of availability, (8) descriptors and identifiers which characterize the contents of the document, and (9) an abstract of the document. Author, subject, and conversion of document number indexes are included to help locate the abstracts by page number and accession number. The full texts of documents are available from the original sources or from ERIC Document Reproduction Service (EDRS) as microfiche or xerox reproductions. A sample resume and ordering information for AIM and EDRS reproduction are provided in an introductory section. (SB)

ED 062571

THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION
THE OHIO STATE UNIVERSITY
1900 Kenny Rd. Columbus, Ohio 43210

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AGRICULTURAL EDUCATION

from

AIM
1967-1971

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The Center for Vocational and Technical Education, an independent unit on The Ohio State University campus, operates under a grant from the National Center for Educational Research and Development, U.S. Office of Education. It serves a catalytic role in establishing consortia to focus on relevant problems in vocational and technical education. The Center is comprehensive in its commitment and responsibility, multidisciplinary in its approach and interinstitutional in its program.

The Center's mission is to strengthen the capacity of state educational systems to provide effective occupational education programs consistent with individual needs and manpower requirements by:

- Conducting research and development to fill voids in existing knowledge and to develop methods for applying knowledge.
- Programmatic focus on state leadership development, vocational teacher education, curriculum, vocational choice and adjustment.
- Stimulating and strengthening the capacity of other agencies and institutions to create durable solutions to significant problems.
- Providing a national information storage, retrieval and dissemination system for vocational and technical education through the affiliated ERIC Clearinghouse.

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a compilation of abstracts from
ABSTRACTS OF INSTRUCTIONAL MATERIALS
IN VOCATIONAL AND TECHNICAL EDUCATION
1967 - 1971

The Center for Vocational and Technical Education
The Ohio State University
1900 Kenny Road
Columbus, Ohio 43210

1972

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A FINAL REPORT

ON A PROJECT CONDUCTED UNDER

Project No. 7-0158

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U.S. DEPARTMENT OF
HEALTH, EDUCATION AND WELFARE

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PREFACE

Finding and using relevant information frequently is a major task for curriculum specialists, teachers, administrators and students. The Center for Vocational and Technical Education is dedicated to make useful and vital information accessible so that educators may use it to improve school practices.

The Center has assembled, under one cover, instructional materials specific to the field of agricultural education. These items, in the forms of abstracts, are selections from Abstracts of Instructional Materials in Vocational and Technical Education (AIM). Since 1967, The Center has presented AIM quarterly, in the form of collections of abstracts of documents from all areas of vocational and technical education.

Other publications in the series, of which this is a part, include compilations of abstracts of instructional materials for business and office education, distributive education, health occupations education, home economics education, industrial arts education, and trade and industrial education. Compilations of instructional materials on any topic from the AIM document collection now are feasible and plans are being developed for possible future publication on such topics as occupational clusters, educational levels, and special problem areas.

Members of the profession are encouraged to forward instructional materials for possible inclusion in future issues of AIM to the Acquisitions Specialist at The Center. We are indebted to our colleagues in agricultural education for providing us instructional materials for past issues of AIM. We also appreciate the contributions of instructional materials laboratories, local school systems and professional associations such as the Vocational Instructional Materials (VIM) section of the American Vocational Association.

We hope that this publication will prove valuable to you in your particular educational endeavors.

Robert E. Taylor
Director
The Center for Vocational and
Technical Education

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INTRODUCTION

Instructional materials for agricultural education that have appeared quarterly in Abstracts of Instructional Materials in Vocational and Technical Education (AIM) between the Fall 1967 and Fall 1971 issues are presented in this single volume for your convenience.

This compilation of abstracts of over 950 documents in your field includes such specific areas as: agribusiness, agricultural machinery, agronomy, animal and plant sciences, farm mechanics, floriculture, food processing, horticulture, landscaping, and off-farm agricultural occupations.

The indexes help you to locate the abstracts by page numbers and VT numbers. Index terms used in the subject index are ERIC descriptors. Each document has been assigned several of these descriptors; therefore, each document title appears in the subject index several times.

An abstract presents information about a document's content to help you to decide if you want to read the full text of the document. The abstract is part of the resume which provides information about the document, its source and availability. Abstracts are arranged in ascending VT-number order. A sample resume, following this Introduction, is explained in detail.

The full texts of documents are available from the original sources or from the ERIC Document Reproduction Service (EDRS) as microfiche or xerox reproductions. Ordering information for AIM and EDRS reproductions is provided in a following section.

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VT 013 122 ED 052 327

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Author(s)

Richards, F.L.

Outlines of Courses in Ornamental Horticulture.

Title.

Pennsylvania State Univ., University Park.
Dept. of Agricultural Education.

Institutional source--the organization responsible for the report.

Office of Education (DHEW), Washington, D.C.
Div. of Adult, and Vocational Research.

Sponsoring agency--appears here when different from Institutional source.

Grant Number, Contract Number, and Program Area Number would appear here.

Report Number and Bureau Number would appear here.

Teacher-Educ-Ser-v12-n1

Department of Agricultural Education, Pennsylvania State University, University Park, Pennsylvania 16802 ($1.00).

Available source(s) if known at time of printing. Cost is included.

Publication date and total number of printed pages.

Pub Date - 71 56p.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *ORNAMENTAL HORTICULTURE; HIGH SCHOOLS; *POST SECONDARY EDUCATION; LANDSCAPING; NURSERIES (HORTICULTURE); TURF MANAGEMENT; *TECHNICAL EDUCATION

Descriptors--subject terms assigned to characterize substantive contents. Only the major terms, those preceded by an asterisk, are printed in the index.

Identifier, if any -- acronyms, geographical areas, organizations, tests (e.g. Binet), etc. Only major identifiers preceded by an asterisk are in the index.

Abstract -- a condensation of the report. When applicable, it includes the purpose, means of development, teacher competency, student requirements, and description of supplementary materials if available.

ABSTRACT - Intended to suggest subject matter content of courses or programs in ornamental horticulture for high school and postsecondary vocational-technical programs, this curriculum guide was prepared by staff members of the Agricultural Education Department at the Pennsylvania State University, and tested in a workshop with vocational agriculture teachers. Contents are: (1) Outlines of Courses in Ornamental Horticulture, (2) Ornamental Horticulture Programs for Grades 10, 11, and 12, (3) Nursery Production . . . The content is presented in outline form under each topic, and is applicable to the United States and lower Canada. (GB)

Abstractor's initials.

SUBSCRIPTIONS TO AIM

Abstracts of Instructional Materials in Vocational and Technical Education (AIM), upon which this publication is based, may be ordered by subscription at $11.00 for one year, $18.00 for two years, or $27.00 for three years. Back orders are available beginning with the Fall 1968 issue. These back issues provide indexes to, and abstracts of, instructional materials for all of the occupational service areas.

Volume 5, Number 1 (1972) will announce instructional materials not covered by previous issues or in this publication.

Subscription orders, accompanied by check or purchase order, may be placed with:

AIM
The Center for Vocational and Technical Education
1900 Kenny Road
Columbus, Ohio 43210

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ABSTRACTS

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FITTS, JAMES ; JOHNSON, JOHNNY
GREENHOUSE WORKER, TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
PUB DATE -   66   258P.

DESCRIPTORS - ANSWER KEYS; *COOPERATIVE EDUCATION; GRADE 11; GRADE 12; GREENHOUSES; *NURSERY WORKERS (HORTICULTURE); *ORNAMENTAL HORTICULTURE; *STUDY GUIDES; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - DESIGNED FOR VOCATIONAL AGRICULTURE STUDENTS IN A COOPERATIVE PART-TIME TRAINING PROGRAM, THIS GUIDE WAS DEVELOPED BY TWO VOCATIONAL AGRICULTURE TEACHERS WITH INTEREST, TRAINING, AND EXPERIENCE IN HORTICULTURE AND WAS COORDINATED AND EDITED BY A SUBJECT MATTER SPECIALIST. INCLUDED ARE TEN UNITS, EACH DIVIDED INTO TOPICS. EACH TOPIC INCLUDES A STUDENT ASSIGNMENT SHEET, A TOPIC TEST, AN ASSIGNMENT ANSWER SHEET, AND A TOPIC TEST ANSWER SHEET. EACH ASSIGNMENT SHEET INCLUDES UNIT AND TOPIC IDENTIFICATION, INTRODUCTION, REFERENCES TO INFORMATION SHEETS OR OTHER SOURCES, QUESTIONS OR ACTIVITIES, AND A CODE IDENTIFICATION. UNITS ARE (1) INTRODUCTION TO HORTICULTURE, (2) STRUCTURES, (3) PLANT GROWING MEDIA, (4) PLANT GROWTH AND CLASSIFICATION, (5) PLANT PROPAGATION, (6) NURSERY PLANT PRODUCTION, (7) FLORAL CROP PRODUCTION, (8) CONTROLLING PLANT INSECTS, DISEASES, AND OTHER PESTS, (9) OPERATING AND MAINTAINING HORTICULTURAL EQUIPMENT, AND (10) MERCHANDISING HORTICULTURAL PLANTS AND SUPPLIES. A VOCATIONAL AGRICULTURE TEACHER MAY USE THE GUIDE WITH HIGH SCHOOL BOYS OVER 16 YEARS OF AGE WHO PLAN TO BECOME GREENHOUSE WORKERS. TIME REQUIRED IS 180 DAYS. THIS DOCUMENT IS AVAILABLE FOR $4.50 FROM AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843. (JM)

VT 000 056
JACKS, L.P.
BASIC PRINCIPLES OF PLANT SCIENCE ; A REFERENCE UNIT FOR TEACHING BASIC PRINCIPLES OF PLANT SCIENCE IN VOCATIONAL AGRICULTURE COURSES IN MISSISSIPPI.

MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
MISSISSIPPI STATE UNIV., STATE COLLEGE. SUBJECT MATTER SERVICE
PUB DATE -   OCT64   88P.

DESCRIPTORS - *PLANT SCIENCE; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; YOUNG FARMER EDUCATION; ADULT FARMER EDUCATION

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHER EDUCATORS, THIS TEACHER AND STUDENT REFERENCE IS FOR HIGH SCHOOL AND ADULT STUDENTS STUDYING AGRICULTURAL KNOWLEDGES AND SKILLS. MAJOR UNITS ARE: (1) CLASSIFICATION OF AGRICULTURAL PLANTS, (2) PARTS OF PLANTS--FUNCTIONS OF EACH, (3) REPRODUCTIVE SYSTEMS AND REPRODUCTION, (4) PLANT GROWTH--HOW IT TAKES PLACE, (5) PLANT NUTRITION, (6) PLANT DISEASES, (7) PLANT INSECTS (COMMON TO FARM CROPS), AND (8) WEED SCIENCE. AGRICULTURAL EDUCATION GRADUATES MAY USE THIS REFERENCE IN THE SOUTHEAST UNITED STATES IN TEACHING AN AGRICULTURAL OCCUPATIONS CLUSTER. SUPPLEMENTARY MATERIALS INCLUDE THREE TABLES AND 11 ILLUSTRATIONS. (MS)

VT 000 057
JACKS, L.P.
BASIC PRINCIPLES OF ANIMAL SCIENCE. A REFERENCE UNIT FOR TEACHING BASIC PRINCIPLES OF ANIMAL SCIENCE IN VOCATIONAL AGRICULTURE COURSES IN MISSISSIPPI.

MISSISSIPPI STATE UNIV., STATE COLLEGE. SUBJECT MATTER SERVICE
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
PUB DATE -   MAY65   51P.

DESCRIPTORS - *ANIMAL SCIENCE; *RESOURCE UNITS; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *INSTRUCTIONAL AIDS; AGRICULTURE; AGRICULTURAL SKILLS; AGRICULTURAL PRODUCTION

ABSTRACT - THIS REFERENCE UNIT, DEVELOPED BY A COMMITTEE OF TEACHERS ON THE STATE LEVEL, PROVIDES REFERENCES KEYED TO THE OUTLINES CONTAINED IN THE 1963 MISSISSIPPI VOCATIONAL AGRICULTURE TEACHER'S HANDBOOK. IT IS DESIGNED FOR TEACHER AND STUDENT USE IN VOCATIONAL AGRICULTURE CLASSES FOR HIGH SCHOOL OR ADULT STUDENTS TO DEVELOP OR IMPROVE KNOWLEDGE AND SKILLS IN THE AREA. ORGANIZED AROUND A QUESTION AND ANSWER FORMAT, MATERIAL PRESENTED COVERS THE FOLLOWING TOPICS: (1) ANATOMY AND PHYSIOLOGY OF FARM ANIMALS, APPROACHED AS NINE FUNCTIONING SYSTEMS, (2) NUTRITION OF FARM ANIMALS, (3) ENVIRONMENTAL FACTORS THAT AFFECT PHYSIOLOGY, (4) DISEASES OF FARM ANIMALS, AND (5) COMMON PARASITES OF FARM ANIMALS. SEVERAL CHARTS AND TABLES ARE INCLUDED. THE TEACHER SHOULD BE A GRADUATE OF TEACHER EDUCATION CURRICULUM IN AGRICULTURE EDUCATION OR HAVE AN EQUIVALENT PREPARATION. THE SECOND AND THIRD PUBLICATIONS IN THIS SERIES DEAL WITH PLANT SCIENCE AND WITH SOIL SCIENCE AND ARE AVAILABLE AS VT 000 056 (AIM WINTER 1968) AND VT 000 058. (MU)

VT 000 058
JACKS, L.P.; HAMILTON, J. ROLAND
BASIC PRINCIPLES IN SOIL SCIENCES. A REFERENCE UNIT FOR TEACHING BASIC PRINCIPLES OF SOIL SCIENCE IN VOCATIONAL AGRICULTURE COURSES IN MISSISSIPPI.

MISSISSIPPI STATE UNIV., STATE COLLEGE. SUBJECT MATTER SERVICE
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
PUB DATE -   APR65   65P.

DESCRIPTORS - *SOIL SCIENCE; *VOCATIONAL AGRICULTURE; *INSTRUCTIONAL AIDS; *TEACHING GUIDES; *AGRICULTURAL PRODUCTION; SOIL CONSERVATION; AGRICULTURAL EDUCATION;

RESOURCE UNITS
IDENTIFIERS - MISSISSIPPI

ABSTRACT - THIS REFERENCE UNIT, DEVELOPED BY A COMMITTEE OF TEACHERS ON THE STATE LEVEL, FOLLOWS THE OUTLINES IN THE 1963 EDITION OF THE MISSISSIPPI VOCATIONAL AGRICULTURE TEACHER'S HANDBOOK. IT IS DESIGNED FOR TEACHER AND STUDENT USE IN VOCATIONAL AGRICULTURE CLASSES FOR HIGH SCHOOL OR ADULT STUDENTS WHO WANT TO DEVELOP KNOWLEDGE AND SKILLS IN THE AREA. ORGANIZED ON A QUESTION AND ANSWER BASIS, THE MATERIAL PRESENTED COVERS THE FOLLOWING TOPICS: (1) THE NATURE AND IMPORTANCE OF THE SOIL, (2) SOIL CLASSIFICATION AND IDENTIFICATION, (3) FORMATION AND COMPONENTS OF THE SOIL, (4) SOIL PRODUCTIVITY, CHEMISTRY, AND NUTRIENTS, (5) COMMERCIAL FERTILIZERS, AND (6) PRINCIPLES OF SOIL EROSION AND DRAINAGE. ILLUSTRATIONS INCLUDE SOIL REGIONS AND LAND CLASSIFICATIONS OF MISSISSIPPI, SOIL PROFILE, EFFECTS OF HARDPAN, LAND CAPABILITY CLASSES, PH SCALE, PH EFFECTS ON NUTRIENTS, AND FERTILIZER COMPOSITION. THE TEACHER SHOULD BE A GRADUATE OF TEACHER EDUCATION CURRICULUM IN AGRICULTURE EDUCATION OR HAVE AN EQUIVALENT PREPARATION. THIS PUBLICATION IS THE THIRD IN A SERIES OF WHICH THE FIRST, AVAILABLE AS VT 000 057, AND THE SECOND, AS VT 000 056 (AIM WINTER 1968), DEAL WITH ANIMAL SCIENCE AND PLANT SCIENCE RESPECTIVELY. (MU)

VT 000 062
NORTON, ROBERT E.
INSURANCE IN AGRICULTURE. A RESOURCE UNIT.

NEW YORK STATE COLL. OF AGRICULTURE, ITHACA. AGRICULTURAL EDUCATION DIV.
PUB DATE - 66 43P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSURANCE; *RESOURCE UNITS

ABSTRACT - MATERIAL HAS BEEN SELECTED TO PROVIDE BASIC REFERENCE FOR DEVELOPING TEACHING UNITS ON (1) PROPERTY INSURANCE, (2) MOTOR VEHICLE INSURANCE, (3) LIABILITY INSURANCE, (4) LIFE INSURANCE, AND (5) HEALTH INSURANCE. THE MATERIAL IS APPROPRIATE FOR FARMING AND AGRICULTURAL BUSINESS. (JM)

VT 000 275
GASPARD, CURREN J., AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN AGRICULTURAL SERVICE.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE
PUB DATE - 64 97P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *SERVICE OCCUPATIONS; AGRICULTURAL ENGINEERING; AGRICULTURAL PRODUCTION; BUSINESS SKILLS; GRADE 11; GRADE 12

ABSTRACT - PREPARED IN A 6-WEEK CURRICULUM WORKSHOP CONCERNED WITH DEVELOPING TRAINING PROGRAMS FOR OFF-FARM AGRICULTURAL OCCUPATIONS, THIS CURRICULUM GUIDE IS FOR USE IN PLANNING AND IMPLEMENTING 11TH- AND 12TH-GRADE COURSES IN AGRICULTURAL SERVICES THROUGH A TEAM-TEACHING APPROACH. CONTENTS OF THE 520-HOUR COURSE INCLUDE SEVEN INSTRUCTIONAL UNITS GROUPED UNDER THESE GENERAL SUBJECT AREAS: APPLIED AGRICULTURAL MECHANICS, APPLIED AGRICULTURAL PRODUCTION, AND APPLIED BUSINESS PRINCIPLES AND PROCEDURES BASIC TO AGRICULTURAL SERVICE. UNIT HEADINGS ARE: (1) FARM MECHANICS, (2) AGRONOMY, (3) ADVANCED ANIMAL HUSBANDRY, (4) ADVANCED PLANT HUSBANDRY, (5) FORAGE CROPS, (6) FORESTRY MANAGEMENT, AND (7) FARM MANAGEMENT. OBJECTIVES, CONTENT, TIME ALLOTMENT, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION AND ACTIVITIES, TEACHING OUTLINE AND SUGGESTIONS, REFERENCES, AND EVALUATIONS ARE GIVEN FOR EACH UNIT. (AW)

VT 000 276
DONALDSON, C. FRED, AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN LIVESTOCK AND POULTRY.

LOUISIANA STATE UNIV., BATON ROUGE
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. DIV. OF VOCATIONAL EDUCATION
PUB DATE - ND 127P.

DESCRIPTORS - *CURRICULUM GUIDES; *LIVESTOCK; *POULTRY; *VOCATIONAL AGRICULTURE; FOOD PROCESSING OCCUPATIONS; MARKETING; COOPERATIVE EDUCATION; BUSINESS EDUCATION; HUMAN RELATIONS; SALESMANSHIP; PRACTICAL MATHEMATICS; *OFF FARM AGRICULTURAL OCCUPATIONS; *CURRICULUM GUIDES; AGRICULTURAL ENGINEERING

ABSTRACT - THESE UNITS OF INSTRUCTION WERE DESIGNED TO GIVE BASIC PREPARATION FOR JOB TRAINING IN ONE OF THE OFF-FARM AGRICULTURAL OCCUPATIONS. THE OBJECTIVE IS TO PREPARE HIGH SCHOOL STUDENTS FOR JOB ENTRY IN THE FIELD OF LIVESTOCK AND POULTRY PRODUCTS, ESPECIALLY THE MARKETING, SLAUGHTERING, PROCESSING, AND DISTRIBUTION OF MEAT, MILK, AND THEIR PRODUCTS. EACH UNIT INCLUDES THE OBJECTIVE, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION, LESSON OUTLINES, AND UNIT EVALUATION. THE UNITS ARE: (1) AUXILIARY PUMPS, PIPING, AND AIR COMPRESSORS, (2) ELECTRICAL POWER, SERVICE AND MAINTENANCE, (3) REFRIGERATION, (4) PLANT SANITATION, (5) HYDRAULIC SYSTEMS, (6) TRUCK OPERATION AND MAINTENANCE OF GASOLINE AND DIESEL ENGINES, (7) MARKETING POULTRY AND POULTRY PRODUCTS, (8) MARKETING, SLAUGHTERING, AND DISTRIBUTING LIVESTOCK AND LIVESTOCK PRODUCTS, (9) MARKETING MILK AND MILK PRODUCTS, (10) PROCESSING MILK AND MILK PRODUCTS, (11) GROWTH AND DESTRUCTION OF MICRO-ORGANISMS, (12) ORIENTATION TO SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAMS, (13) GENERAL PRINCIPLES OF BUSINESS IN RELATIONSHIP TO LIVESTOCK AND POULTRY OCCUPATIONS, (14) HUMAN RELATIONS, (15) AGRICULTURAL SALESMANSHIP, AND (16) MATHEMATICAL CALCULATIONS. (PS)

VT 000 277
BURNS, JAMES L., AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN CROPS, FORESTRY, AND SOIL CONSERVATION.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE
PUB DATE - ND 135P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; OFF FARM AGRICULTURAL OCCUPATIONS; *SOIL CONSERVATION; *FORESTRY; *FIELD CROPS; GRADE 11; GRADE 12

ABSTRACT - DEVELOPED IN A 6-WEEK CURRICULUM WORKSHOP BY VOCATIONAL AGRICULTURE INSTRUCTORS AND INSTRUCTORS OF SUPPORTING SERVICES, THIS GUIDE IS FOR TEACHER USE IN PLANNING AND IMPLEMENTING 11TH AND 12TH GRADE TRAINING PROGRAMS FOR OFF-FARM EMPLOYMENT IN CROPS, FORESTRY, AND SOIL CONSERVATION. CONTENTS OF THE 520-HOUR COURSE INCLUDE 15 UNITS GROUPED UNDER THE GENERAL HEADINGS OF APPLIED AGRICULTURE MECHANICS, APPLIED AGRICULTURE PRODUCTION, AND APPLIED BUSINESS PRINCIPLES AND PROCEDURES BASIC TO CROPS, FORESTRY, AND SOIL CONSERVATION. SOME REPRESENTATIVE UNIT TITLES ARE: (1) FARM SURVEY, (2) WELDING, (3) GRADING, PROCESSING, AND STORING OF CROPS AND FORESTRY PRODUCTS, (4) FORESTRY MANAGEMENT AND SOIL CONSERVATION, (5) HUMAN RELATIONS INVOLVED IN SUCCESSFUL PERFORMANCE IN JOBS RELATED TO CROPS AND FORESTRY PRODUCTS, (6) BUSINESS MATHEMATICS, (7) GENERAL PRINCIPLES OF BUSINESS, AND (8) LEGAL INFORMATION. UNITS INCLUDE CONTENT, TIME ALLOTMENT, OBJECTIVES, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION, TEACHING SUGGESTIONS AND OUTLINE, STUDENT ACTIVITIES, REFERENCES AND TEACHING AIDS, AND EVALUATION. (AW)

VT 000 278
GASPARD, CURREN J., AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN FARM MACHINERY SALES AND SERVICE.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE
PUB DATE - ND 276P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL MACHINERY; *CURRICULUM GUIDES; COURSE CONTENT

ABSTRACT - HIGH SCHOOL JUNIORS OR SENIORS AND OUT-OF SCHOOL YOUTH AND ADULTS WHO DESIRE TRAINING FOR JOB ENTRY IN FARM MACHINERY SALES AND SERVICE ARE PERSONS WHO WOULD BE SERVED BY THIS COURSE. IT WAS PLANNED TO DEVELOP AN UNDERSTANDING OF THE BROAD FIELD OF FARM MACHINERY AND THE MANY SERVICE OCCUPATIONS OPEN TO YOUNG MEN WHO HAVE HAD BACKGROUND TRAINING RELATED TO THIS OCCUPATIONAL FAMILY. EACH UNIT INCLUDES OBJECTIVES, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION, AND LESSON OUTLINES. THE UNITS ARE: (1) METAL FUSION AND FABRICATION (WELDING), (2) ADVANCED APPLICATION OF WELDING TECHNIQUES, (3) SPECIALIZED APPLICATION OF WELDING EQUIPMEMT, (4) ASSEMBLY AND DEMONSTRATION OF AGRICULTURAL MACHINERY AND EQUIPMENT. (5) MECHANICAL POWER TRANSFER SYSTEMS, (6) HYDRAULIC POWER TRANSFER SYSTEMS, (7) ADJUSTMENT, MAINTENANCE, AND REPAIR OF TILLAGE AND PLANTING MACHINERY, (8) ADJUSTMENT, MAINTENANCE, AND REPAIR OF SPRAYING, DUSTING, AND FERTILIZING EQUIPMENT, (9) ADJUSTMENT MAINTENANCE AND REPAIR OF SMALL GASOLING ENGINES, (11) TRACTOR TUNE-UP AND MAINTENANCE, (12) GASOLINE TRACTOR ENGINE SYSTEMS, (13) DIESEL ENGINE SYSTEMS, (14) TRACTOR REPAIR AND OVERHAUL, (15) SOIL PREPARATION, (16) PREPARATION OF SEED BED AND PLANTING CROPS, (17) FERTILIZERS AND FERTILIZATION, (18) CULTIVATION OF FARM CROPS, (19) INSECT AND DISEASE CONTROL, (20) HARVESTING, PROCESSING, AND STORING FARM CROPS, (21) ORGANIZATION OF AGRICULTURAL MACHINERY DEALERSHIPS, (22) FUNCTIONS OF BUSINESS MANAGEMENT IN AGRICULTURAL MACHINERY DEALERSHIPS, (23) AGRICULTURAL MACHINERY SERVICE DEPARTMENT OPERATING PROCEDURES, (24) AGRICULTURAL MACHINERY PARTS DEPARTMENT OPERATING PROCEDURES, (25) AGRICULTURAL SALESMANSHIP, AND (26) HUMAN RELATIONS IN AGRICULTURAL OCCUPATIONS. (PS)

VT 000 279
BURNS, VAN H., AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN FARM SERVICE.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE
PUB DATE - ND 164P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *SERVICE OCCUPATIONS; GRADE 11; GRADE 12

ABSTRACT - PREPARED IN A 6-WEEK CURRICULUM WORKSHOP TO DEVELOP TRAINING PROGRAMS FOR OFF-FARM AGRICULTURAL OCCUPATIONS, THIS CURRICULUM GUIDE IS DESIGNED TO AID IN PLANNING AND IMPLEMENTING 11TH AND 12TH GRADE COURSES IN FARM SERVICE. UNDER THE THREE GENERAL SUBJECT AREAS OF AGRICULTURAL MECHANICS, AGRICULTURAL PRODUCTION, AND BUSINESS PRINCIPLES AND PROCEDURES BASIC TO FARM SERVICE, 21 INSTRUCTIONAL UNITS COVERING 520 HOURS ARE PROVIDED, INCLUDING UNITS ON: (1) SMALL ENGINES AND EQUIPMENT, (2) FARM WELDING, (3) FARM AND HOME CONVENIENCES AND SANITATION, (4) FARM SURVEYING, (5) BREEDING OF LIVESTOCK, (6) FEEDING LIVESTOCK AND POULTRY, (7) FARM CUSTOM AND RENTAL SERVICES, (8) SANITATION POLICIES AND REGULATIONS, (9) PLANNING FARMSTEAD AND LAYOUT, (10) PROCESSING AND DISTRIBUTING AGRICULTURAL PRODUCTS, AND (11) ORIENTATION AND SCOPE OF FARM SERVICES. UNITS CONTAIN CONTENT, OBJECTIVE, TIME ALLOTMENT, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION AND ACTIVITIES, TEACHING OUTLINE AND SUGGESTIONS, REFERENCES, AND EVALUATION. (AW)

VT 000 280
DONALDSON, C. FRED, AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN FARM SUPPLIES AND EQUIPMENT.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE.
PUB DATE - ND 166P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *AGRICULTURAL SUPPLIES; *EQUIPMENT; GRADE 11; GRADE12

ABSTRACT - PREPARED IN A 6-WEEK CURRICULUM WORKSHOP CONCERNED WITH DEVELOPING HIGH SCHOOL TRAINING PROGRAMS IN OFF-FARM AGRICULTURAL OCCUPATIONS, THIS GUIDE IS INTENDED FOR TEACHER USE IN PLANNING AND IMPLEMENTING COURSES IN FARM EQUIPMENT AND SUPPLIES FOR GRADES 11 AND 12. CONTENTS OF THE 520-HOUR COURSE INCLUDE 18 INSTRUCTIONAL UNITS GROUPED UNDER THE GENERAL SUBJECT AREAS OF APPLIED AGRICULTURAL MECHANICS, APPLIED AGRICULTURAL PRODUCTION, AND APPLIED BUSINESS PROCEDURES AND PRINCIPLES BASIC TO FARM SUPPLIES AND EQUIPMENT. SOME UNITS COVERED ARE: (1) LIVESTOCK EQUIPMENT AND SUPPLIES, (2) AGRICULTURAL HARDWARE, (3) FEEDS, (4) FERTILIZERS, (5) AGRICULTURAL CHEMICALS, (6) PET MARKET AND VETERINARIAN SUPPLIES, (7) GARDEN CENTERS, (8) ORIENTATION TO SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM, (9) FINANCIAL RECORD KEEPING AND PROCEDURES, AND (10) AGRICULTURAL SALESMANSHIP. EACH UNIT PROVIDES CONTENT, OBJECTIVE, TIME ALLOTMENT, COMPETENCIES TO BE LEARNED, STUDENT MOTIVATION AND ACTIVITIES, TEACHING OUTLINE AND SUGGESTIONS, REFERENCES, AND EVALUATION. TEACHING AIDS AND FILM AND FILMSTRIP SOURCES ALSO ARE GIVEN. (AW)

VT 000 281
BURNS, JAMES L., AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN ORNAMENTAL HORTICULTURE.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE
PUB DATE - ND 135P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *OFF FARM AGRICULTURAL OCCUPATIONS; AGRICULTURAL ENGINEERING; AGRICULTURAL PRODUCTION; BUSINESS SKILLS; GRADE 11; GRADE 12

ABSTRACT - DESIGNED TO AID IN PLANNING AND IMPLEMENTING 11TH AND 12TH GRADE ORNAMENTAL HORTICULTURE COURSES, THIS CURRICULUM GUIDE WAS PREPARED IN A 6-WEEKS CURRICULUM WORKSHOP RESPONSIBLE FOR DEVELOPING TRAINING PROGRAMS FOR OFF-FARM AGRICULTURAL OCCUPATIONS. DESIGNED FOR A TEAM-TEACHING APPROACH, THE 17 INSTRUCTIONAL UNITS ARE GROUPED UNDER THREE GENERAL HEADINGS: APPLIED AGRICULTURAL MECHANICS, APPLIED AGRICULTURAL PRODUCTION, AND APPLIED BUSINESS PRINCIPLES AND PROCEDURES BASIC TO ORNAMENTAL HORTICULTURE. UNIT TOPICS INCLUDE: (1) SELECTION, CARE, OPERATION, AND MAINTENANCE OF SMALL ENGINES AND EQUIPMENT, (2) USING AND CARING FOR ORNAMENTAL PLANTS, MATERIALS, AND LANDSCAPE STRUCTURES, (3) LANDSCAPE DESIGN, (4) GROWING HORTICULTURAL PLANTS, (5) ESTABLISHING AND CARING FOR LAWNS AND TURF, (6) RECOGNIZING AND CONTROLLING PLANT PESTS, (7) HUMAN RELATIONS, (8) GENERAL PRINCIPLES OF BUSINESS, AND (9) LEGAL INFORMATION. EACH UNIT GIVES OBJECTIVES, CONTENT, STUDENT MOTIVATION AND ACTIVITIES, TIME ALLOTMENT, COMPETENCIES TO BE DEVELOPED, TEACHING OUTLINE AND SUGGESTIONS, REFERENCES AND TEACHING AIDS, AND EVALUATION. (AW)

VT 000 282
BURNS, VAN H., AND OTHERS
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN WILDLIFE AND RECREATION.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE
PUB DATE - ND 146P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *WILDLIFE MANAGEMENT; *RECREATION; GRADE 11; GRADE 12; AGRICULTURAL PRODUCTION; AGRICULTURAL ENGINEERING

ABSTRACT - PREPARED IN A 6-WEEK CURRICULUM WORKSHOP TO DEVELOP TRAINING PROGRAMS FOR OFF-FARM AGRICULTURAL OCCUPATIONS, THIS CURRICULUM GUIDE IS FOR USE IN PLANNING AND IMPLEMENTING 11TH-AND 12TH-GRADE TRAINING PROGRAMS IN WILDLIFE AND RECREATION. THE 520-HOUR COURSE IS DIVIDED INTO THREE GENERAL SUBJECT AREAS: APPLIED AGRICULTURAL MECHANICS, APPLIED PRODUCTION AGRICULTURE, AND APPLIED BUSINESS PRINCIPLES AND PROCEDURES BASIC TO WILDLIFE AND RECREATION. SOME REPRESENTATIVE TITLES INCLUDED IN THE 19 UNITS UNDER THESE THREE GENERAL HEADINGS ARE: (1) SMALL ENGINES AND EQUIPMENT, (2) MAINTENANCE AND OPERATION OF TRACTORS AND ALLIED EQUIPMENT, (3) TOOL SELECTION AND MAINTENANCE, (4) IRRIGATION SYSTEMS, (5) INSECT, DISEASE, AND PEST CONTROL, (6) GAME AND FISH MANAGEMENT, (7) CARE OF PLANTS AND SOILS, (8) ORNAMENTAL HORTICULTURE, (9) WILDLIFE AND RECREATION COMMUNICATION, AND (10) HUMAN RELATIONS. EACH UNIT PROVIDES CONTENT, OBJECTIVE, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION, TEACHING OUTLINE AND SUGGESTIONS, STUDENT ACTIVITIES, REFERENCES AND TEACHING AIDS, AND EVALUATION. (AW)

VT 000 350
SELECTED REFERENCE BOOKS FOR DEPARTMENTS OF VOCATIONAL AGRICULTURE. (SERVICE BULLETIN, NO. 4).

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUN65 25P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *BIBLIOGRAPHIES; *REFERENCE BOOKS

ABSTRACT - THIS GUIDE IS FOR THE USE OF TEACHERS AND ADMINISTRATORS SELECTING REFERENCE BOOKS FOR DEPARTMENTS OF VOCATIONAL AGRICULTURE IN ARIZONA. THE BOOKS HAVE BEEN CAREFULLY EXAMINED AND EVALUATED. EACH ITEM HAS BEEN RATED: (1) SHOULD BE IN A DEPARTMENT LIBRARY IN MULTIPLE COPIES, (2) SINGLE COPY FOR REFERENCE BY TEACHER AND STUDENTS, OR (3) NOT CONSIDERED AS AN ESSENTIAL PART OF THE MINIMUM LIBRARY FOR A DEPARTMENT. REFERENCES ARE LISTED FOR THE FOLLOWING MAJOR TOPICS WITH SUBTOPICS FOR MOST--AGRICULTURAL

ECONOMICS, AGRONOMY AND SOILS, ANIMAL SCIENCE, FARM MECHANICS AND AGRICULTURAL ENGINEERING, FUTURE FARMERS OF AMERICA, GENERAL AGRICULTURE AND RELATED SUBJECTS, GUIDANCE AND VOCATIONS, HORTICULTURE, INSECTS AND PLANT DISEASES, PROFESSIONAL, AND SUPERVISED FARMING PROGRAMS. A LIST OF PUBLISHERS AND DISTRIBUTORS IS INCLUDED. (SL)

VT 000 356
SELECTED REFERENCE BOOKS FOR DEPARTMENTS OF VOCATIONAL AGRICULTURE.

FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE
BULL-72F-B
PUB DATE - AUG66 41P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *BIBLIOGRAPHIES; *FILMSTRIPS

ABSTRACT - THE INCLUSION OF SPECIFIC REFERENCES IN THIS DOCUMENT WAS BASED ON THE RECOMMENDATIONS OF TEACHERS AND STATE STAFF. IT IS INTENDED AS A GUIDE FOR TEACHERS AND ADMINISTRATORS IN THE SELECTION OF REFERENCE BOOKS FOR VOCATIONAL AGRICULTURE. THE 338 REFERENCES ARE LISTED BY AUTHOR AND TITLE UNDER AGRICULTURAL MECHANICS, ANIMAL SCIENCE, PLANT SCIENCE, SOIL SCIENCE, AGRICULTURAL MANAGEMENT, OFF FARM AGRICULTURAL OCCUPATIONS, GENERAL AGRICULTURE, LEADERSHIP ACTIVITIES, MISCELLANEOUS, PROFESSIONAL AND AGRICULTURAL YEARBOOKS. EACH REFERENCE IS KEYED TO A SEPARATE LIST OF 129 PUBLISHERS OR DISTRIBUTORS. SOME OF THE REFERENCE ENTRIES ARE ALSO CODED FOR USE, LEVEL, AND RATING. ACCOMPANYING FILMSTRIPS ARE LISTED FOR SOME OF THE REFERENCES, AND A PARTIAL LIST OF FILM SOURCES IS INCLUDED. (JM)

VT 000 358
MEAT PROCESSING; POST HIGH SCHOOL COURSE IN VOCATIONAL AGRICULTURE. POLICIES, PROCEDURES, AND COURSE OUTLINE FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
PUB DATE - DEC64 12P.

DESCRIPTORS - *FOOD PROCESSING OCCUPATIONS; *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *MEAT; *MEAT PACKING INDUSTRY; *POST SECONDARY EDUCATION

ABSTRACT - THIS MEAT PROCESSING COURSE GUIDE IS DESIGNED FOR POST HIGH SCHOOL YOUTH BETWEEN THE AGES OF 17 AND 25, PREFERABLY HIGH SCHOOL GRADUATES, BUT MAY INCLUDE NON-HIGH SCHOOL GRADUATES OR THOSE ALREADY EMPLOYED IN MEAT PROCESSING. THE PURPOSE OF THE COURSE IS TO PROVIDE BASIC TRAINING IN CUTTING AND PACKAGING MEATS AND MEAT PRODUCTS FOR RETAIL TRADE AND FROZEN FOOD LOCKER PLANTS. THE FIRST PART OUTLINES POLICIES AND PROCEDURES INCLUDING PURPOSE, NEED, ENROLLMENT, COURSE CONTENT, SCHEDULE, TEACHING AIDS, TEACHING FACILITIES, SUPPLIES AND EQUIPMENT, AND SPECIAL TEACHERS. THE SECOND PART OUTLINES THE COURSE OF STUDY AND INCLUDES 23 UNITS SUCH AS PREPARING CATTLE AND HOGS FOR SLAUGHTER, STUDYING THE BEEF CARCASS, AND CUTTING FOR FOREQUARTER. THE COURSE IS SCHEDULED FOR 300 HOURS. THE DOCUMENT INCLUDES A LIST OF REFERENCES. (JM)

VT 000 361
CROP AND SOIL TECHNOLOGY. A GUIDE FOR PROVIDING INSTRUCTION FOR 11TH OR 12TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
NORTH CAROLINA UNIV., RALEIGH. N.C. STATE UNIV. DEPT. OF AGRICULTURAL EDUCATION.
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
PUB DATE - JUN64 49P.

DESCRIPTORS - *SOIL SCIENCE; PLANT SCIENCE; GRADE 11; GRADE 12; *CURRICULUM GUIDES; *AGRICULTURAL OCCUPATIONS; *VOCATIONAL AGRICULTURE; *SUPERVISED FARM PRACTICE; *AGRONOMY

ABSTRACT - THE OBJECTIVES OF THE COURSE ARE TO ENABLE STUDENTS TO DEVELOP: UNDERSTANDING OF OCCUPATIONAL OPPORTUNITIES AND EDUCATIONAL REQUIREMENTS IN CROP AND SOIL TECHNOLOGY, UNDERSTANDING OF PHYSICAL AND CHEMICAL ASPECTS OF PLANT GROWTH, UNDERSTANDING OF CHEMICAL AND PHYSICAL PROPERTIES OF SOIL AND WATER MANAGEMENT, UNDERSTANDING OF PLANT AND SOIL RELATIONSHIPS, UNDERSTANDING OF AGRICULTURAL CHEMICALS, AND KNOWLEDGE AND SKILL NECESSARY FOR THE APPLICATION OF PRACTICES INVOLVED IN CROP PRODUCTION, MANAGEMENT, AND MARKETING. UNITS INCLUDE: (1) INTRODUCTION, ORIENTATION, AND GUIDANCE, (2) ECOLOGY AND PLANT GROWTH, (3) PHYSICAL AND CHEMICAL ASPECTS OF PLANT GROWTH, (4) CROP IMPROVEMENT THROUGH PLANT BREEDING, (5) PLANT DISEASES AND INSECTS, (6) AGRICULTURAL CHEMICALS RELATIONSHIP TO PLANT GROWTH AND PRODUCTION, (7) SOIL AND WATER MANAGEMENT, (8) CROP PRODUCTION, (9) MARKETING CROPS, AND (10) AGRICULTURAL OCCUPATIONS IN CROPS AND SOILS. EACH UNIT INCLUDES SPECIFIC OBJECTIVES, SUB-UNITS, SUGGESTED RESOURCES, AND SUGGESTED TEACHING-LEARNING ACTIVITIES. A 36-WEEK COURSE CALENDAR, SUGGESTED REFERENCES, BASIC FACILITIES AND EQUIPMENT, AND SUGGESTIONS FOR SUPERVISED PRACTICE PROGRAMS ARE INCLUDED. (JM)

VT 000 364 ED 013 871
RIDENOUR, HARLAN E.
COMBINES AND COMBINING.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
OHIO STATE UNIV., COLUMBUS. COLL. OF AGRICULTURE AND HOME ECONOMICS.
PUB DATE - 65 89P.

DESCRIPTORS - *AGRICULTURAL MACHINERY; HIGH SCHOOLS; *STUDY GUIDES; *VOCATIONAL AGRICULTURE

ABSTRACT - THROUGH THE USE OF THIS MANUAL, VOCATIONAL AGRICULTURE STUDENTS WITH OCCUPATIONAL INTEREST IN GRAIN FARMING AND CUSTOM COMBINE OPERATION MAY GAIN KNOWLEDGE ABOUT THE BASIC DESIGN AND OPERATION OF

COMBINES. DEVELOPMENT BY A STATE CURRICULUM MATERIALS DIRECTOR INCLUDED CONSULTATION WITH ENGINEERS, TRIAL, AND REVISION. OBJECTIVES ARE STATED IN TERMS OF BEHAVIORAL OBJECTIVES AND BASED ON STUDENT NEEDS. FOUR UNITS OF INSTRUCTION ARE COVERED -- (1) WHAT IS THE VALUE OF DOING A GOOD JOB OF COMBINING, (2) BASIC DESIGN OF THE COMBINE, (3) OPERATION OF THE COMBINE, AND (4) ECONOMICS OF OWNING A COMBINE. THE MANUAL SUGGESTS TEACHING PROCEDURES AND STUDENT EXPERIENCES WHICH THE VOCATIONAL AGRICULTURE TEACHERS COULD CONDUCT IN THE CLASSROOM, THE AGRICULTURAL MECHANIC SHOP, AND ON FIELD TRIPS TO FARMS AND IMPLEMENT DEALERS. SINCE THE INDIVIDUAL FEATURES OF THE DIFFERENT MAKES AND MODELS OF COMBINES CANNOT BE INCLUDED IN ONE PUBLICATION, OPERATOR'S MANUALS FOR THE COMBINES BEING STUDIED SHOULD BE MADE AVAILABLE. A SET OF THIRTY 2- BY 2-INCH COLOR SLIDES WITH ACCOMPANYING SCRIPT, AND A TEST AND KEY FOR THE UNIT ARE AVAILABLE. THIS DOCUMENT IS AVAILABLE FOR $1.00 OR IN QUANTITY FOR 75 CENTS FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (PA)

VT 000 367
SELLERS, L.L.; LEWIS, H.N.
BEEF CATTLE PRODUCTION, SALES AND SERVICE (A STUDENT STUDY GUIDE). AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - FEB66 14P.

DESCRIPTORS - *STUDY GUIDES; *CATTLE; ANIMAL SCIENCE; LIVESTOCK; AGRICULTURAL PRODUCTION; *VOCATIONAL AGRICULTURE; MARKETING; SERVICES; SECONDARY GRADES

ABSTRACT - SECONDARY STUDENTS CAN USE THIS AS A SUPERVISED OR INDIVIDUAL STUDY GUIDE. IT LISTS STUDY QUESTIONS FOR BREEDING, FEEDING, MANAGEMENT, MARKETING, LIVESTOCK SERVICES, AND LAWS APPLICABLE TO LIVESTOCK FARMING. SUGGESTED LEARNING ACTIVITIES AND ADDITIONAL REFERENCES ARE GIVEN FOR EACH TOPIC. A COURSE OUTLINE IS VT 000 368, ALSO IN THIS ISSUE. (EM)

VT 000 368
SELLERS, L.L.; LEWIS, H.N.
BEEF CATTLE PRODUCTION, SALES AND SERVICE (A SPECIALIZED COURSE OUTLINE FOR VOCATIONAL AGRICULTURE STUDENTS).

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; AGRICULTURAL PRODUCTION; MARKETING; SERVICES; SUPERVISED FARM PRACTICE; AGRICULTURAL ENGINEERING; *CURRICULUM GUIDES; *CATTLE; LIVESTOCK; SECONDARY GRADES
IDENTIFIERS - FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - TEACHING UNITS ARE OUTLINED FOR THE FOLLOWING TOPICS: (1) OCCUPATIONAL OPPORTUNITIES, (2) BREEDING, (3) FEEDING, (4) MANAGEMENT, (5) MARKETING, (6) LIVESTOCK SERVICES, (7) LEGISLATION AND REGULATION, (8) SUPERVISED PRACTICE, (9) FARM MECHANICS, (10) FUTURE FARMERS OF AMERICA CONTESTS AND AWARDS, AND (11) LEADERSHIP TRAINING. SUGGESTED LABORATORY EXPERIENCES AND REFERENCES TO A 28 ITEM BIBLIOGRAPHY ARE GIVEN FOR EACH UNIT. A STUDENT STUDY GUIDE IS VT 000 367, ALSO IN THIS ISSUE. (EM)

VT 000 372
YORK, B.J.
AGRICULTURAL MACHINERY SALES AND SERVICE (A STUDENT STUDY GUIDE). AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - APR66 23P.

DESCRIPTORS - *AGRICULTURAL MACHINERY; SECONDARY GRADES; *STUDY GUIDES; *AGRICULTURAL MACHINERY OCCUPATIONS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING

ABSTRACT - THE SENIOR HIGH SCHOOL STUDENT MAY USE THIS GUIDE EITHER WITH OR WITHOUT SUPERVISION. SUGGESTED STUDY QUESTIONS, LEARNING ACTIVITIES, AND REFERENCES ARE GIVEN FOR THESE UNITS: (1) OCCUPATIONAL OPPORTUNITIES, (2) MACHINERY DEALERSHIP, (3) SERVICE DEPARTMENT, (4) OPERATING PROCEDURES, (5) FARM MACHINERY ASSEMBLY, (6) MECHANICAL POWER TRANSMISSION, (7) HYDRAULIC POWER TRANSMISSION, (8) SPRAYING AND FERTILIZING MACHINERY, (9) CROP HARVESTING MACHINERY, (10) ELECTRIC MOTORS, (11) TRACTOR TUNE-UP AND MAINTENANCE, (12) GASOLINE TRACTOR ENGINE OVERHAUL, (13) DIESEL ENGINE SYSTEMS, AND (14) SELECTION OF MACHINERY. (EM)

VT 000 373
SELLERS, L.L.
FARM MANAGEMENT (A SPECIALIZED COURSE OUTLINE FOR VOCATIONAL AGRICULTURE STUDENTS).

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 10P.

DESCRIPTORS - SECONDARY GRADES; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *CURRICULUM GUIDES; *AGRICULTURAL PRODUCTION

ABSTRACT - THE FOLLOWING MAJOR UNITS ARE OUTLINED: (1) EXPLORING EMPLOYMENT OPPORTUNITIES IN FARM MANAGEMENT, (2) PLANNING AND THE FARM BUSINESS, (3) MACHINERY SELECTION AND USE, (4) FARM RECORDS AND ACCOUNTING, (5) FINANCING THE FARM BUSINESS, (6) MARKETING FARM PRODUCTS, (7) FARM PARTNERSHIPS AND AGREEMENTS, (8) CONTRACT FARMING, (9) INSURANCE, (10) WILLS, (11) DEEDS, MORTAGES AND REAL ESTATE, (12) FARM AND HOME MECHANICS, (13) SALESMANSHIP, (14) PERSONNEL MANAGEMENT, AND (15) LEADERSHIP ACTIVITIES. REFERENCES ARE MADE TO A 16-ITEM BIBLIOGRAPHY. (EM)

VT 000 374
LEWIS, H.N.; RAWLS, R.F.

COMMERCIAL HORTICULTURE, SALES AND SERVICE (A SPECIALIZED COURSE OUTLINE FOR VOCATIONAL AGRICULTURE STUDENTS).

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 10P.

DESCRIPTORS - *ORNAMENTAL HORTICULTURE OCCUPATION; *ORNAMENTAL HORTICULTURE; SECONDARY GRADES; *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES

ABSTRACT - THE OUTLINE COVERS THE FOLLOWING MAJOR UNITS: (1) OCCUPATIONAL OPPORTUNITIES, (2) DETERMINING WHETHER TO GROW VEGETABLES AND FRUITS COMMERCIALLY, (3) POSSIBLE TRUCK CROPS AND FRUITS FOR ALABAMA PRODUCTION, (4) SELECTION OF LAND FOR COMMERCIAL HORTICULTURAL PRODUCTION, (5) CULTURAL PRACTICES FOR COMMERCIAL HORTICULTURE, (6) MARKETING COMMERCIAL HORTICULTURAL CROPS, (7) OPERATING, REPAIRING, AND MAINTAINING SMALL POWER AND OTHER TOOLS AND EQUIPMENT, (8) WELDING, (9) SMALL BUILDING CONSTRUCTION, (10) WATER SYSTEMS AND PLUMBING (11) ELECTRICITY, AND (12) LEADERSHIP. REFERENCES ARE MADE TO A 33-ITEM BIBLIOGRAPHY. (EM)

VT 000 375
RAWLS, BYRON F.; LEWIS, H.N.
COMMERCIAL HORTICULTURE, SALES AND SERVICE (A STUDENT STUDY GUIDE). AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - MAY66 12P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *HORTICULTURE; *AGRICULTURAL PRODUCTION; SECONDARY GRADES; *STUDY GUIDES; *FIELD CROPS

ABSTRACT - STUDENTS MAY USE THIS GUIDE INDIVIDUALLY OR UNDER SUPERVISION. SUGGESTED STUDY QUESTIONS, LEARNING ACTIVITIES, AND REFERENCES ARE GIVEN FOR: (1) OCCUPATIONAL OPPORTUNITIES, (2) DETERMINING WHETHER TO GROW VEGETABLES AND FRUITS COMMERCIALLY, (3) POSSIBLE TRUCK CROPS AND FRUITS FOR ALABAMA PRODUCTION, (4) SELECTION OF LAND FOR COMMERCIAL HORTICULTURAL CROP PRODUCTION, (5) CULTURAL PRACTICES FOR COMMERCIAL HORTICULTURE, AND (6) MARKETING COMMERCIAL HORTICULTURAL CROPS. FROM TWO TO TEN SUGGESTED REFERENCES ARE LISTED FOR EACH UNIT. (EM)

VT 000 376
SELLERS, L.L.; LEWIS, H.N.
SWINE PRODUCTION, SALES AND SERVICE (A SPECIALIZED COURSE OUTLINE FOR VOCATIONAL AGRICULTURE STUDENTS).

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 12P.

DESCRIPTORS - *CURRICULUM GUIDES; *SECONDARY GRADES; *VOCATIONAL AGRICULTURE; AGRICULTURAL OCCUPATIONS; *LIVESTOCK; *SWINE

ABSTRACT - COURSE OBJECTIVES ARE: TO HELP STUDENTS DEVELOP AN UNDERSTANDING OF THE LIVESTOCK INDUSTRY AND DEVELOP THEIR ABILITIES TO ORGANIZE AND APPLY TECHNICAL KNOWLEDGE, TO GIVE STUDENTS EXPERIENCE IN BASIC PRODUCTION MANAGEMENT, MARKETING AND SERVICES OF THE LIVESTOCK INDUSTRY, TO GIVE STUDENTS OPPORTUNITIES TO DEVELOP THEIR SKILLS AND ABILITIES TO SERVICE MANAGEMENT, TO DEMONSTRATE THEIR LEADERSHIP ABILITIES THROUGH PARTICIPATION IN SCHOOL AND COMMUNITY ACTIVITIES, AND TO DEVELOP IN STUDENTS A SENSE OF RESPONSIBILITY THROUGH PARTICIPATION IN THEIR STUDENT ORGANIZATION. THE FOLLOWING TEACHING UNITS ARE OUTLINED: OCCUPATIONAL OPPORTUNITIES, BREEDING, FEEDING, MANAGEMENT, MARKETING, LAWS AFFECTING LIVESTOCK PRODUCTION AND MARKETING, LIVESTOCK SERVICES, FARM MECHANICS AND ENGINEERING, SUPERVISED PRACTICE PROGRAMS, AND LEADERSHIP DEVELOPMENT. LABORATORY EXPERIENCES ARE SUGGESTED FOR EACH UNIT AND READINGS ARE SUGGESTED FROM THE BIBLIOGRAPHY. (EM)

VT 000 377
SELLERS, L.L.; LEWIS, H.N.
SWINE PRODUCTION, SALES AND SERVICE (STUDENT STUDY GUIDE). AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - APR66 14P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *SWINE; *LIVESTOCK

ABSTRACT - THIS IS INTENDED PRIMARILY AS A GUIDE FOR SUPERVISED STUDY BY TEACHERS AND STUDENTS IN A SPECIAL COURSE. QUESTIONS, LEARNING ACTIVITIES, AND SUGGESTED REFERENCES FOR THE FOLLOWING TOPICS ARE INCLUDED: BREEDING, FEEDING, MANAGEMENT, MARKETING, LAWS AFFECTING LIVESTOCK PRODUCTION AND MARKETING, AND LIVESTOCK SERVICE. (EM)

VT 000 378
RAWLS, BYRON F.
A SPECIALIZED COURSE OUTLINE FOR ADVANCED VOCATIONAL AGRICULTURE STUDENTS IN FOREST PRODUCTS PRODUCTION SALES AND SERVICES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 14P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *FORESTRY; *FORESTRY OCCUPATIONS; SALES OCCUPATIONS; SERVICE OCCUPATIONS
IDENTIFIERS - ALABAMA

ABSTRACT - PREPARED BY A SUBJECT MATTER SPECIALIST, THIS COURSE OUTLINE IS DESIGNED TO PREPARE ADVANCED VOCATIONAL AGRICULTURE STUDENTS FOR EMPLOYMENT IN A FORESTRY OCCUPATION. TEACHING UNITS, PROVIDING CONTENT, LABORATORY EXPERIENCES, AND REFERENCES, ARE GIVEN FOR: (1) ORIENTATION TO FOREST OCCUPATIONS, (2) SUPERVISED PRACTICE PROGRAM, (3) FORESTRY IN ALABAMA, (4) FOREST TREES, (5) PROTECTING THE FOREST, (6) MEASUREMENTS IN FORESTRY, (7) CUTTINGS, (8) REFORESTATION, (9) MARKETING FOREST PRODUCTS, (10) MULTIPLE USE OF FORESTS, (11) AGRICULTURAL MECHANICS, AND (12) LEADERSHIP. A LIST OF SUGGESTED REFERENCES IS INCLUDED. (AW)

VT 000 379
RAWLS, BYRON F.
FORESTRY PRODUCTION SALES AND SERVICES (A STUDENT STUDY GUIDE. AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - MAR66 16P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *FORESTRY; *FORESTRY OCCUPATIONS; *SALES OCCUPATIONS; SERVICE OCCUPATIONS; AGRICULTURAL PRODUCTION

ABSTRACT - PREPARED BY A SUBJECT MATTER SPECIALIST, THIS STUDY GUIDE IS FOR USE BY STUDENTS NOT ENROLLED IN SPECIALIZED COURSES OF INSTRUCTION IN FORESTRY. CONTENTS INCLUDE STUDY QUESTIONS, LEARNING ACTIVITIES, AND SUGGESTED REFERENCES FOR THE FOLLOWING TOPICS: (1) FORESTRY IN ALABAMA, (2) FOREST TREES, (3) PROTECTING THE FOREST, (4) MEASUREMENTS IN FORESTRY, (5) CUTTING, (6) REFORESTATION, (7) MARKETING FOREST PRODUCTS, AND (8) MULTIPLE USE OF FORESTS. (AW)

VT 000 380
GREEN, H.W.
A SPECIALIZED COURSE OUTLINE FOR ADVANCED VOCATIONAL AGRICULTURE STUDENTS IN AGRICULTURAL SUPPLY, SALES AND SERVICES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 17P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALES OCCUPATIONS; SERVICE OCCUPATIONS; SECONDARY GRADES

ABSTRACT - PREPARED BY A DISTRICT SUPERVISOR OF VOCATIONAL AGRICULTURE, THIS CURRICULUM GUIDE IS FOR USE IN CONDUCTING A SPECIALIZED COURSE IN AGRICULTURAL SUPPLIES, SALES AND SERVICES FOR ADVANCED VOCATIONAL AGRICULTURE STUDENTS. OBJECTIVES OF THE COURSE ARE TO TRAIN STUDENTS FOR FUTURE EMPLOYMENT IN THE FIELD, TO AID STUDENTS IN DEVELOPING THE PERSONALITY TRAITS AND ABILITIES NEEDED IN AGRICULTURAL SALES AND SERVICES, AND TO ASSIST STUDENTS IN DEVELOPING A SENSE OF RESPONSIBILITY THROUGH LEADERSHIP ACTIVITIES IN THE FUTURE FARMERS OF AMERICA (FFA). SOME OF THE TOPICS COVERED, IN OUTLINE FORM, ARE: (1) CAREER OPPORTUNITIES, (2) LEADERSHIP TRAINING (FFA), (3) OPERATION AND MAINTENANCE OF SMALL POWER TOOLS AND EQUIPMENT, (4) SHOP SKILLS NEEDED FOR SALES AND SERVICE PERSONNEL, (5) HOME AND FARM ELECTRIFICATION, (6) AGRICULTURAL SALESMANSHIP, (7) AGRICULTURAL BUSINESS PROCEDURES, (8) LIVESTOCK FEEDS, FERTILIZERS, AND CROP, LAWN, AND GARDEN SEEDS SALES AND SERVICE, AND (9) AGRICULTURAL CHEMICALS SALES AND SERVICES. LISTS OF INSTRUCTIONAL MATERIALS AND SUPPLIES ARE ALSO PROVIDED. (AW)

VT 000 381
GREEN, H.W.
AGRICULTURE SUPPLIES, SALES AND SERVICES (A STUDENT STUDY GUIDE). AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - MAR66 21P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALES OCCUPATIONS; *SERVICE OCCUPATIONS; AGRICULTURAL SUPPLIES; EQUIPMENT; MARKETING; MERCHANDISING

ABSTRACT - THIS GUIDE IS INTENDED PRIMARILY FOR USE BY VOCATIONAL AGRICULTURE STUDENTS INTERESTED IN EMPLOYMENT IN THE AREA OF MARKETING AND MERCHANDISING, AGRICULTURAL SUPPLIES, EQUIPMENT AND SERVICES, BUT NOT ENROLLED IN A SPECIAL COURSE OF INSTRUCTION IN THIS FIELD. CONTENTS INCLUDE QUESTIONS TO BE ANSWERED, SUGGESTED LEARNING EXPERIENCES, AND SUGGESTED REFERENCES ON THE FOLLOWING: (1) CAREER OPPORTUNITIES IN AGRICULTURAL SUPPLIES, SALES, AND SERVICES, (2) RELATIONS BETWEEN PERSONS ENGAGED IN AGRICULTURAL SALES AND SERVICES, (3) AGRICULTURAL SALESMANSHIP, (4) ORGANIZATION AND FUNCTIONS OF AGRICULTURAL BUSINESSES, (5) AGRICULTURAL BUSINESS PROCEDURE, (6) FEEDS-SALES AND SERVICE, (7) CROP, LAWN AND GARDEN SEEDS - SALES AND SERVICE, (8) AGRICULTURAL CHEMICALS, AND (9) MISCELLANEOUS AGRICULTURAL SUPPLIES AND SMALL EQUIPMENT. THE GUIDE IS ALSO SUITABLE FOR USE AS A SUPERVISED STUDY GUIDE BY TEACHERS AND STUDENTS IS A SPECIAL COURSE IN AGRICULTURAL SUPPLY, SALES, AND SERVICE. (AW)

VT 000 382
ORNAMENTAL HORTICULTURE FOR VOCATIONAL AGRICULTURE IN ALABAMA. (A STUDENT STUDY GUIDE). AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - FEB66 34P.

DESCRIPTORS - *STUDY GUIDES; *AGRICULTURAL EDUCATION; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *PLANT SCIENCE; PLANT IDENTIFICATION; PLANT PATHOLOGY; PLANT PROPAGATION; PLANT GROWTH
IDENTIFIERS - ALABAMA

ABSTRACT - DESIGNED PRIMARILY FOR USE BY AGRICULTURE STUDENTS INTERESTED IN ORNAMENTAL HORTICULTURE BUT NOT ENROLLED IN A SPECIALIZED COURSE IN THIS FIELD, THIS STUDY GUIDE COVERS THE FOLLOWING SUBJECTS: (1) OCCUPATIONAL OPPORTUNITIES IN ORNAMENTAL HORTICULTURE, (2) IDENTIFICATION OF ORNAMENTAL HORTICULTURE PLANTS, (3) PLANT PROPAGATION, (4) USES OF SOIL AND OTHER PLANT-GROWING MEDIA, (5) PRODUCTION OF FLORAL CROPS, (6) PRODUCTION OF NURSERY PLANTS, (7) CONTROL OF PLANT INSECTS AND DISEASES AND OTHER PLANT DISORDERS, (8) CONSTRUCTION, MAINTENENCE AND USE OF PLANT-GROWING STRUCTURES, (9) MERCHANDISING, (10) LANDSCAPE DESIGN AND PLANNING, AND (11) ESTABLISHMENT AND CARE OF LAWNS AND TURF. UNITS CONTAIN

QUESTIONS TO BE ANSWERED, SUGGESTED LEARNING ACTIVITIES, AND REFERENCES. (AW)

VT 000 383
RAWLS, BYRON F., ED.; HALL, THACH, ED.
ORNAMENTAL HORTICULTURE FOR VOCATIONAL AGRICULTURE IN ALABAMA (A REFERENCE UNIT). AGRIBUSINESS EDUCATION SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - FEB66 322P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; RESOURCE MATERIALS

ABSTRACT - THE PRIMARY PURPOSE OF THIS PUBLICATION IS TO PROVIDE A REFERENCE FOR STUDENTS AS TEACHERS FOR A SPECIAL COURSE IN ORNAMENTAL HORTICULTURE. CHAPTERS ARE: (1) EXPLAINING OCCUPATIONAL OPPORTUNITIES IN ORNAMENTAL HORTICULTURE, (2) IDENTIFYING ORNAMENTAL HORTICULTURE PLANT PROPAGATION, (4) USING SOIL AND OTHER PLANT GROWING MEDIA, (5) FLORAL CROP PRODUCTION, (6) NURSERY PLANT PRODUCTION, (7) CONTROLLING PLANT INSECTS, PLANT DISEASES, AND OTHER PLANT DISORDERS, (8) CONSTRUCTING, MAINTAINING AND USING PLANT GROWING STRUCTURES, (9) MERCHANDISING HORTICULTURAL PLANTS AND SUPPLIES, (10) DEVELOPING THE LANDSCAPE DESIGN OR PLAN, AND (11) ESTABLISHING AND CARING FOR LAWNS AND TURFS. PAMPHLETS AND BULLETINS AVAILABLE FROM THE DEPARTMENT OF AGRICULTURE AND STATE EXTENSION SERVICES ARE LISTED BY TOPIC. (PA)

VT 000 391
FARM ELECTRIFICATION FOR VOCATIONAL AGRICULTURE III AND IV.

NEW JERSEY FARM ELECTRIFICATION COUNCIL.
NEW JERSEY STATE DEPT. OF EDUCATION, TRENTON. DIV. OF VOCATIONAL EDUCATION.
PUB DATE - OCT64 51P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ELECTRICITY; GRADE 11; GRADE 12; UNITS OF STUDY (SUBJECT FIELDS); BIBLIOGRAPHIC CITATIONS

ABSTRACT - PREPARED BY THE FARM ELECTRIFICATION COUNCIL AND THE NEW JERSEY STATE DEPARTMENT OF EDUCATION, THIS TEACHING GUIDE IS INTENDED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PREPARING A COURSE OF INSTRUCTION IN FARM ELECTRICITY FOR GRADES 11 AND 12. TOPICS INCLUDE PRINCIPLES OF ELECTRICAL ENERGY IN THE FORM OF HEAT, LIGHT, AND POWER, AND THEIR USE IN DAIRY FARMING, POULTRY FARMING, HORTICULTURAL ENTERPRISES, AND OUTDOOR AREAS. SUPPLEMENTARY REFERENCES, PROBLEMS, EXERCISES, AND DISCUSSION QUESTIONS ARE INCLUDED. (GB)

VT 000 401
UTZINGER, JAMES D.
SUGGESTED REFERENCE MATERIALS FOR TEACHERS OF VOCATIONAL HORTICULTURE.

AMERICAN NURSERYMAN, CHICAGO, ILL.
PUB DATE - 65 4P.

DESCRIPTORS - *BIBLIOGRAPHIES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *ORNAMENTAL HORTICULTURE; *INSTRUCTIONAL MATERIALS

ABSTRACT - BOOKS, BOOKLETS, MAGAZINES, AND PERIODICALS PUBLISHED FROM 1951 TO 1965 ARE INCLUDED IN THIS BIBLIOGRAPHY OF INSTRUCTIONAL MATERIALS. ADDRESSES OF PUBLISHERS AND DISTRIBUTORS OF MATERIALS AND COSTS FOR THE 33 CITATIONS ARE INCLUDED. (DM)

VT 000 427
HEMP, PAUL E.; EHRESMAN, NORMAN D.
SOURCE UNIT, AGRICULTURAL COOPERATIVES, A TEACHER'S GUIDE FOR INSTRUCTIONAL PLANNING .

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION
PUB DATE - AUG65 68P.

DESCRIPTORS - *CURRICULUM GUIDES; *COOPERATIVES; *FARMER COOPERATIVES; *AGRICULTURAL EDUCATION; GRADE 11; GRADE 12; *TEACHING GUIDES; STUDENT EVALUATION; INSTRUCTIONAL MATERIALS

ABSTRACT - THE FINDINGS OF A RESEARCH PROJECT HAVE BEEN TRANSLATED INTO A PROGRAM TO ASSIST TEACHERS PREPARE WORKERS FOR AND EDUCATE THE PATRONS AND OWNERS OF AGRICULTURAL COOPERATIVES. UNITS INCLUDE: (1) A STUDY OF LOCAL AGRICULTURAL BUSINESSES, (2) FOUR WAYS OF DOING BUSINESS, (3) FORMING AGRICULTURAL COOPERATIVES, (4) MANAGING AND USING AGRICULTURAL COOPERATIVES, (7) TYPES OF COOPERATIVES AND THEIR SERVICES, AND (8) COOPERATIVES AND THE GOVERNMENT. EACH OUTLINE INCLUDES TEACHER OBJECTIVES, MATERIALS AND AIDS NEEDED, IDEAS FOR GETTING STARTED, ESTABLISHING OBJECTIVES, IDENTIFYING PROBLEMS AND CONCERNS OF STUDENTS AND SUGGESTED TEACHING ACTIVITIES. ALSO INCLUDED ARE A SELECTED GLOSSARY, TEST QUESTIONS AND ANSWERS, SUGGESTIONS FOR ORGANIZED STUDENT COOPERATIVES WITH EXAMPLES OF A CHARTER, AND ADDITIONAL STUDENT REFERENCES AND TEACHING AIDS, (EM)

VT 000 456
FARM AND RANCH BUSINESS ANALYSIS, THE THREE YEAR COURSE OF STUDY FOR ADULTS .

MONTANA STATE UNIV., BOZEMAN. AGRICULTURAL EDUCATION DEPT.
PUB DATE - 64 113P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *FARM MANAGEMENT; *ADULT FARMER EDUCATION; EQUIPMENT EVALUATION; FARM ACCOUNTS; COST EFFECTIVENESS; RESOURCE ALLOCATIONS; EQUIPMENT UTILIZATION; RECORDS (FORMS); RESOURCE MATERIALS

ABSTRACT - THIS CURRICULUM GUIDE, DEVELOPED BY A UNIVERSITY DEPARTMENT AFTER A 3-YEAR CONTROLLED PILOT PROGRAM, IS MEANT FOR USE IN ADULT EDUCATION PROGRAMS. THE FIRST YEAR'S PROGRAM IS BASED ON KEEPING FARM AND RANCH

RECORDS AND INCLUDES 15 UNITS. THE SECOND YEAR'S PROGRAM IS CONSTRUCTED AROUND ANALYSIS OF FARM AND RANCH ENTERPRISE RECORDS AND INCLUDES 11 UNITS. THE TOPIC FOR THE THIRD YEAR IS DEVELOPING FARM AND RANCH OPERATOR'S BUSINESS MANAGEMENT PRACTICES AND HAS 12 UNITS. THE GENERAL FORMAT FOR THE INDIVIDUAL UNITS INCLUDES A DESCRIPTION OF THE SITUATION, SUGGESTIONS FOR TEACHING THE UNIT, REFERENCE AND TEACHING AIDS, AND TIME REQUIRED. THE SUGGESTIONS SECTION OFFERS INFORMATION ON HOW TO DO A PARTICULAR JOB OR HOW TO PRESENT THE MATERIAL. TIME ALLOTMENT FOR MOST OF THE UNITS IS FROM 1 TO 2 HOURS, OR ONE TO TWO CLASS SESSIONS. (RW)

VT 000 475
BRISTOL, BENTON K.
PROBLEM AND ANSWER SHEETS FOR LEARNING ENGINE MAINTENANCE PRINCIPLES.

ILLINOIS STATE UNIV., NORMAL. DEPT. OF AGRICULTURE
PUB DATE - 67 17P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ENGINES; *STUDENT PROJECTS; AGRICULTURAL MACHINERY; SECONDARY GRADES; INSERVICE TEACHER EDUCATION; STUDENT PROBLEMS; ANSWER KEYS

ABSTRACT - DEVELOPED UNDER INDIVIDUAL AUTHORSHIP, THIS STUDENT AND TEACHER REFERENCE IS FOR USE IN HIGH SCHOOL CLASSES OF VOCATIONAL AGRICULTURE. THE CONTENT INCLUDES STUDENT PROBLEMS OF: (1) BATTERY HYDROMETER READING, (2) DISTRIBUTOR TO SPARK PLUG HOOKUP, (3) SPARK PLUG AND ENGINE CONDITION, AND (4) COMPRESSION TEST. ANSWER SHEETS ARE PROVIDED FOR EACH OF THE SIX ASSIGNED PROBLEMS. THE TIME ALLOTMENT VARIES FROM 30 MINUTES PER JOB TO MORE THAN ONE HOUR PER JOB. ADDITIONAL REFERENCES WHICH ARE LISTED IN THE DOCUMENT SHOULD BE UTILIZED IN TEACHING THIS UNIT. (DM)

VT 000 484
SELECTED LISTS OF REFERENCES AND AIDS IN TEACHING LANDSCAPING, FLORICULTURE, ORNAMENTAL HORTICULTURE, SUBURBAN GARDENING.

NEW YORK STATE COLLEGE OF AGRICULTURE, ITHACA. DEPT. OF RURAL EDUCATION
PUB DATE - JAN64 32P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; FLORICULTURE; LANDSCAPING; REFERENCE MATERIALS; *INSTRUCTIONAL MATERIALS; *ORNAMENTAL HORTICULTURE; *TEST CONSTRUCTION; HIGH SCHOOLS; *BIBLIOGRAPHIES

ABSTRACT - BULLETINS, CIRCULARS, TEXTBOOKS, FILMS, FILMSTRIPS, SLIDES, AND COMMERCIAL MATERIALS FOR USE IN TEACHING LANDSCAPING, FLORICULTURE, ORNAMENTAL HORTICULTURE, OR SUBURBAN GARDENING ARE LISTED IN THE FIRST SECTION OF THE DOCUMENT. COMMERCIAL MATERIALS AND TEXTBOOKS, UNITED STATE DEPARTMENT OF AGRICULTURE AND UNIVERSITY PUBLICATIONS ARE INCLUDED. THE SOURCE, COST, AND OTHER INFORMATION ARE GIVEN FOR EACH ITEM. THE SECOND SECTION IS A GUIDE FOR PREPARING OBJECTIVE-TYPE TEST QUESTIONS FOR EXAMINATIONS IN AGRICULTURE. IT IS INTENDED FOR CLASSROOM TEACHER USE AND DISCUSSES PURPOSE, CLASSIFICATION OF THE QUESTION, DIFFICULTY LEVEL, ITEM CONSTRUCTION, THE PROBLEM, ANSWERS, GROUP QUESTIONS, MULTIPLE CHOICE, MASTER LIST, MATCHING, AND GENERAL PRECAUTIONS. EXAMPLES ARE INCLUDED. (RW)

VT 000 488 ED 012 761
ORGANIZATION AND MANAGEMENT OF MACHINERY DEALERSHIPS. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 1.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-911-017-1
PUB DATE - AUG65 22P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; BUSINESS SKILLS; MANAGEMENT; *MARKETING; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A 16-UNIT SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR AGRICULTURAL MACHINERY OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS MODULE AIMS TO DEVELOP AN UNDERSTANDING OF THE IMPORTANCE, METHODS, JOBS, AND JOB FUNCTIONS OF RETAIL AGRICULTURAL MACHINERY DEALERSHIPS. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH IN STATE STUDIES. SUBJECT-MATTER CONTENT IS PROVIDED FOR THE ROLE OF MACHINERY IN AGRICULTURE, THE DISTRIBUTION OF MACHINERY, AND THE OPERATION OF THE DEALERSHIP. SUGGESTIONS ARE INCLUDED FOR TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND EVALUATION. THE SUGGESTED TIME ALLOTMENT IS 18 HOURS OF CLASS INSTRUCTION. TEACHERS OF THE COURSE SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. POSTSECONDARY STUDENTS ENROLLED IN THE COURSE SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 489 ED 012 762
AGRICULTURAL MACHINERY SERVICE DEPARTMENT OPERATING PROCEDURES. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 2.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-912-017-2
PUB DATE - AUG65 32P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *MERCHANDISING; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS MECHANICS, MECHANIC'S HELPERS, PARTS MEN, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENTS' KNOWLEDGE OF THE OPERATING PROCEDURES OF A SERVICE DEPARTMENT AND ABILITY TO CARRY OUT THE FUNCTIONS OF A SERVICE EMPLOYEE. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUBJECT MATTER IN THE UNIT COVERS--(1) IMPORTANCE AND FUNCTION OF A SERVICE DEPARTMENT, (2) LAYOUT AND EQUIPMENT, (3) THE SELLING OF SERVICES, (4) WORK SCHEDULES AND JOB TICKETING PROCEDURES, (5) SERVICE PRICING, (6) PREDELIVERY AND DELIVERY SERVICING, AND (7) WARRANTY ALLOWANCE. TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIAL, REFERENCES, AND SUGGESTIONS FOR EVALUATING THE MODULE ARE GIVEN. THE SUGGESTED TIME ALLOTMENT IS 30 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 96 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS OF THE COURSE SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 490   ED 012 763
AGRICULTURAL MACHINERY PARTS DEPARTMENT OPERATING PROCEDURES. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 3.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-912-017-3
PUB DATE -   AUG65 39P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; BUSINESS SKILLS; *MERCHANDISING; POST SECONDARY EDUCATION; SALESMANSHIP; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED FOR POSTSECONDARY-LEVEL PREPARATION OF MECHANICS, MECHANIC'S HELPERS, SERVICE SUPERVISORS, AND PARTS MEN, THIS COURSE UNIT AIMS TO HELP TEACHERS DEVELOP STUDENT KNOWLEDGE OF PARTS DEPARTMENT OPERATING PROCEDURES AND ABILITY TO FUNCTION AS A PARTS SERVICEMAN. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUBJECT MATTER INCLUDES--(1) THE IMPORTANCE, ROLE, JOB REQUIREMENTS, AND PERSONAL CHARACTERISTICS OF THE PARTS MAN, (2) INVENTORY CONTROL, (3) ORDERING AND RECEIVING PARTS AND VERIFYING ORDERS, AND (4) SELLING, DISPLAY, AND ADVERTISING. SUGGESTIONS ARE INCLUDED FOR TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, REFERENCES, OCCUPATIONAL EXPERIENCES, AND EVALUATION. THE TIME ALLOTMENT SUGGESTED IS 20 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 78 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 491   ED 012 764
AGRICULTURAL SALESMANSHIP. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 4.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-902-017-4
PUB DATE -   AUG65 26P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; POST SECONDARY EDUCATION; *SALESMANSHIP; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR EMPLOYMENT IN AGRICULTURAL MACHINERY OCCUPATIONS AS PARTS MEN, MECHANICS, HELPERS, AND SERVICE SUPERVISORS, THIS MODULE AIMS TO DEVELOP STUDENT ABILITY TO MEET CUSTOMERS, PRESENT SUPPLIES AND SERVICES TO CUSTOMERS, OVERCOME RESISTANCE, AND CLOSE A SALE. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH IN STATE STUDIES. SUGGESTIONS ARE INCLUDED FOR INTRODUCING THE MODULE. FOR EACH COMPETENCY, SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, REFERENCES, INSTRUCTIONAL MATERIALS, AND OCCUPATIONAL EXPERIENCES ARE SUGGESTED. THE TIME ALLOTMENT SUGGESTED IS 30 HOURS OF CLASS INSTRUCTION AND 36 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY, AND STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. SUGGESTIONS ARE INCLUDED FOR EVALUATING OUTCOMES. THE SOURCES OF SUPPLEMENTAL MATERIALS ARE LISTED. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 492   ED 012 765
HUMAN RELATIONS IN AGRICULTURAL OCCUPATIONS. AGRICULTURAL MACHINERY--SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 5.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-903-017-5
PUB DATE -   AUG65 41P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *COMMUNICATION (THOUGHT TRANSFER); *HUMAN RELATIONS; POST SECONDARY

EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, OR SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP IN THE STUDENT THE PERSONAL QUALITIES NECESSARY FOR ADVANCEMENT IN A BUSINESS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUBJECT MATTER INCLUDES EMPLOYMENT OPPORTUNITIES AND PERSONAL QUALITIES, COMMUNICATIONS, AND HUMAN RELATIONS PROBLEM SOLVING. TEACHING-LEARNING ACTIVITIES, OCCUPATIONAL EXPERIENCES, INSTRUCTIONAL MATERIAL, REFERENCES, AND SUGGESTIONS FOR EVALUATING EDUCATIONAL OUTCOMES ARE SUGGESTED. TEACHERS SHOULD HAVE EXPERIENCE IN AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. SUGGESTED TIME ALLOTMENT IS 24 HOURS OF CLASS INSTRUCTION AND 12 HOURS OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 493   ED 012 766
METAL FUSION AND FABRICATION WELDING. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE, NUMBER 6.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-785-017-6
PUB DATE -   AUG65 48P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *WELDING
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE IN A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, OR SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT UNDERSTANDING OF WELDING EQUIPMENT AND SUPPLIES, AND ABILITY TO PERFORM SKILLS REQUIRED OF AGRICULTURAL MECHANICS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR INTRODUCTION OF THE MODULE ARE GIVEN. EACH SUBJECT-MATTER UNIT INCLUDES COMPETENCIES TO BE DEVELOPED, SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, SUGGESTED MATERIALS, AND REFERENCES. SUBJECT MATTER AREAS ARE--(1) FUNDAMENTALS AND SAFE WELDING PRACTICES, (2) SELECTION AND CARE OF EQUIPMENT, (3) METAL IDENTIFICATION, (4) ELECTRODE SELECTION, (5) ARC WELDING, (6) CARBON ARC TORCH OPERATION AND MAINTENANCE, (7) FERROUS HARDSURFACING, (8) ARC AND OXYACETYLENE CUTTING, (9) NONFERROUS METAL WELDING AND BRAZING, AND (10) INERT GAS WELDING. SOURCES OF INSTRUCTIONAL MATERIALS, AND REFERENCES AND SUGGESTIONS FOR EVALUATING OUTCOMES ARE INCLUDED. SUGGESTED TIME ALLOTMENT IS 12 HOURS OF CLASS INSTRUCTION AND 36 HOURS OF LABORATORY EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 890 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 494   ED 012 767
AGRICULTURAL MACHINERY ASSEMBLY AND LUBRICATION. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 7.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-740-017-7
PUB DATE -   AUG65 18P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; ASSEMBLY (MANUFACTURING); BIBLIOGRAPHIES; MAINTENANCE; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT UNDERSTANDING OF THE FUNCTIONS OF LUBRICANTS FOR AGRICULTURAL MACHINERY, SKILL IN THEIR SELECTION, AND UNDERSTANDING OF MACHINERY ASSEMBLY AND ADJUSTMENT. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. THE UNITS ARE ORGANIZED INTO SUGGESTED SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, REFERENCES, AND OCCUPATIONAL EXPERIENCES. SUGGESTED TIME ALLOTMENT IS 9 HOURS OF CLASS INSTRUCTION, 129 HOURS OF LABORATORY EXPERIENCE, AND 60 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE IN AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 495   ED 012 768
MECHANICAL POWER TRANSFER SYSTEMS. AGRICULTURAL MACHINERY-SERVICE OCCUPATIONS, MODULE NUMBER 8.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.

AGDEX-764-017-8
PUB DATE - AUG65 33P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *KINETICS; *MECHANICS (PROCESS); POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY-LEVEL STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT COMPETENCY IN UNDERSTANDING AND APPLYING THE PRINCIPLES OF MECHANICAL POWER TRANSMISSION IN AGRICULTURAL MACHINERY. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. UNIT AREAS INCLUDE--(1) CLUTCHES, (2) TRANSMISSIONS, (3) DIFFERENTIALS AND FINAL DRIVES, (4) STEERING AND BRAKES, (5) PULLEYS AND BELTS, (6) SPROCKETS AND CHAINS, (7) GEARS, AND (8) BEARINGS. EACH UNIT INCLUDES SUGGESTED SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES. SUGGESTIONS FOR EVALUATING EDUCATIONAL OUTCOMES ARE INCLUDED. SUGGESTED TIME ALLOTMENT IS 24 HOURS OF CLASS INSTRUCTION AND 36 HOURS OF LABORATORY EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 496 ED 012 769
HYDRAULIC POWER TRANSFER SYSTEMS. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 9.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-764-017-9
PUB DATE - AUG65 28P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *HYDRAULICS; *KINETICS; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY-LEVEL STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT COMPETENCY IN UNDERSTANDING BASIC HYDRAULICS AND ITS APPLICATION TO AGRICULTURAL MACHINERY. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. UNITS ARE--(1) TERMINOLOGY, (2) OPERATIONAL PRINCIPLES, (3), SYSTEMS, (4) PUMPS, (5) VALVES, (6) CYLINDERS, (7) PACKINGS, SEALS, LINES, AND FITTINGS, (8) SYSTEM TYPES AND TROUBLES, (9) OILS, AND (10) TROUBLESHOOTING PROCEDURES. EACH UNIT INCLUDES SUGGESTED SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES. SUGGESTIONS ARE MADE FOR EVALUATING EDUCATIONAL OUTCOMES. THE SUGGESTED TIME ALLOTMENT IS 90 HOURS OF CLASS INSTRUCTION, 120 HOURS OF LABORATORY EXPERIENCE, AND 60 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 497 ED 012 770
ADJUSTMENT, MAINTENANCE, AND REPAIR OF TILLAGE, PLANTING, SPRAYING, AND FERTILIZING MACHINERY. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 10.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-740-017-10
PUB DATE - AUG65 88P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; MAINTENANCE; POST SECONDARY EDUCATION; REPAIR; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO HELP TEACHERS PREPARE POSTSECONDARY-LEVEL STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. THE MAJOR OBJECTIVE IS TO DEVELOP (1) STUDENT UNDERSTANDING OF TILLAGE, PLANTING, FERTILIZING, AND SPRAYING MACHINERY, AND (2) STUDENT ABILITY TO ADJUST, REPAIR, AND MAINTAIN THESE MACHINES. SUGGESTIONS FOR INTRODUCTION OF THE MODULE ARE GIVEN. UNIT AREAS COVER--(1) OPERATOR AND SERVICE MANUALS, (2) SOIL TILLAGE, (3) LUBRICATION, (4) TILLAGE, SECONDARY TILLAGE, CULTIVATING, CROP PLANTING, AND FERTILIZER APPLICATING MACHINES, (5) SPRAYERS, AND (6) MACHINERY PAINTING. EACH UNIT AREA INCLUDES SUGGESTED SUBJECT MATTER, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES. CRITERIA FOR EVALUATING EDUCATIONAL OUTCOMES ARE LISTED. THE COURSE IS SCHEDULED FOR 94 HOURS OF CLASS INSTRUCTION, 188 HOURS OF LABORATORY EXPERIENCE, AND 142 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE, A HIGH SCHOOL BACKGROUND, AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504)

FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 498 ED 012 771
ADJUSTMENT, MAINTENANCE, AND REPAIR OF CROP HARVESTING MACHINERY. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 11.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-745-017-11
PUB DATE - AUG65 48P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; HARVESTING; MAINTENANCE; POST SECONDARY EDUCATION; REPAIR; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED FOR HELPING TEACHERS PREPARE POSTSECONDARY-LEVEL STUDENTS FOR AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT COMPETENCY IN ADJUSTING, REPAIRING, AND MAINTAINING CROP HARVESTING MACHINERY. SUGGESTIONS FOR INTRODUCTION OF THE MODULE ARE GIVEN. UNIT AREAS COVER--(1) OPERATOR AND SERVICE MANUALS, (2) LUBRICANT SELECTION AND USE, (3) HAY, FORAGE, GRAIN, AND CORN HARVESTING MACHINES, AND (4) MACHINE PAINTING. EACH UNIT AREA INCLUDES SUGGESTED SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, REFERENCES, AND OCCUPATIONAL EXPERIENCES. REFERENCE IS MADE TO PERTINENT INFORMATION IN OTHER MODULES OF THE SERIES. SUGGESTED TIME ALLOTMENT IS 48 HOURS OF CLASS INSTRUCTION, AND 150 HOURS OF LABORATORY EXPERIENCE, AND 102 HOURS OF OCCUPATIONAL EXPERIENCE. THE TEACHER SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. CRITERIA FOR EVALUATING EDUCATIONAL OUTCOMES ARE INCLUDED. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 499 ED 012 772
ADJUSTMENT, MAINTENANCE, AND REPAIR OF SMALL GASOLINE ENGINES. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 12.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-761-017-12
PUB DATE - AUG65 30P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *ENGINES; MAINTENANCE; POST SECONDARY EDUCATION; REPAIR; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, OR SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT COMPETENCY IN THE ADJUSTMENT, MAINTENANCE, AND REPAIR OF SMALL GASOLINE ENGINES. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS ARE INCLUDED FOR INTRODUCING THE MODULE. SUBJECT-AREA UNITS ARE--(10) NOMENCLATURE, (2) COMBUSTION PRINCIPLES, (3) IGNITION, (4) RUNNING GEAR, AND (5) GOVERNORS AND COOLING SYSTEMS. EACH UNIT INCLUDES SUGGESTED SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, MATERIALS, AND REFERENCES. CRITERIA FOR EVALUATING EDUCATIONAL OUTCOMES ARE SUGGESTED. SUGGESTED TIME ALLOTMENT IS 40 HOURS OF CLASS INSTRUCTION AND 68 HOURS OF LABORATORY EXPERIENCE. TEACHERS SHOULD HAVE A BACKGROUND IN AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 500 ED 012 773
TRACTOR TUNE-UP AND MAINTENANCE. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 13.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-763-017-13
PUB DATE - AUG65 51P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; ENGINES; MAINTENANCE; *POST SECONDARY EDUCATION; *TEACHING GUIDES; *TRACTORS; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT UNDERSTANDING OF A SYSTEMATIC PROCEDURE AND ABILITY TO PERFORM TUNEUPS AND MAINTENANCE TASKS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. SUBJECT-AREA UNITS INCLUDE--(1) ECONOMIC IMPORTANCE OF PROPER TUNING, (2) MAJOR COMPONENTS OF A FARM TRACTOR, (3) VALVE ADJUSTMENT, (4) ELECTRICAL AND IGNITION ADJUSTMENT, (5) AIR, FUEL, AND EXHAUST SYSTEM ADJUSTMENT, (6) COOLING SYSTEM MAINTENANCE AND ADJUSTMENT, AND (7) POWER TRAIN MAINTENANCE AND ADJUSTMENT. EACH UNIT INCLUDES SUGGESTED SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, SUGGESTED MATERIALS, AND REFERENCES. SUGGESTED TIME ALLOTMENT IS 24 HOURS OF CLASS INSTRUCTION AND 48 HOURS OF LABORATORY EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE IN

AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. SUGGESTIONS FOR EVALUATING EDUCATIONAL OUTCOMES ARE INCLUDED. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 501 ED 012 774
GASOLINE TRACTOR ENGINE SYSTEMS. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 14.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-761-017-14
PUB DATE - AUG65 30P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *ENGINES; POST SECONDARY EDUCATION; *TEACHING GUIDES; TRACTORS; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT UNDERSTANDING OF THE OPERATION, COMPONENTS, AND FUNCTIONS OF VARIOUS GASOLINE TRACTOR ENGINE SYSTEMS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. SUBJECT-AREA UNITS COVER--(1) OPERATION PRINCIPLES, (2) CONSTRUCTION COMPONENTS, (3) STATIONARY AND MOVING PARTS, AND (4) ELECTRICAL, FUEL, AIR, EXHAUST, AND COOLING SYSTEMS. EACH UNIT INCLUDES SUGGESTED SUBJECT-AREA CONTENT, TEACHING-LEARNING ACTIVITIES, SUGGESTED MATERIALS, AND REFERENCES. CRITERIA FOR THE EVALUATION OF EDUCATIONAL OUTCOMES ARE LISTED. SUGGESTED TIME ALLOTMENT IS 18 HOURS OF CLASS INSTRUCTION AND 24 HOURS OF LABORATORY EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH FARM MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN FARM MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 502 ED 012 775
DIESEL ENGINE SYSTEMS. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 15.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-761-017-15
PUB DATE - AUG65 32P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *DIESEL ENGINES; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS, THIS GUIDE AIMS TO DEVELOP STUDENT UNDERSTANDING OF THE CONSTRUCTION AND OPERATING PRINCIPLES OF DIESEL ENGINES. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR THE INTRODUCTION OF THE MODULE ARE GIVEN. SUBJECT-AREA UNITS ARE--(1) OPERATING PRINCIPLES, (2) STRUCTURAL PARTS, (3) RUNNING GEAR, (4) AIR INTAKE AND EXHAUST, (5) FUEL SYSTEMS, AND (6) AUXILIARY SYSTEMS. EACH UNIT INCLUDES SUGGESTED SUBJECT-MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, AND SUGGESTED MATERIALS AND REFERENCES. CRITERIA FOR EVALUATION OF EDUCATIONAL OUTCOMES ARE LISTED. THE SUGGESTED TIME ALLOTMENT IS 30 HOURS OF CLASS INSTRUCTION AND 24 HOURS OF LABORATORY EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE IN AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND OCCUPATIONAL INTEREST IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 503 ED 012 776
TRACTOR REPAIR. AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS, MODULE NUMBER 16.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-761-017-16
PUB DATE - AUG65 65P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; POST SECONDARY EDUCATION; REPAIR; *TEACHING GUIDES; *TRACTORS; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - COLUMBUS

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO HELP TEACHERS PREPARE POSTSECONDARY STUDENTS FOR THE AGRICULTURAL MACHINERY SERVICE OCCUPATIONS AS PARTS MEN, MECHANICS, MECHANIC'S HELPERS, AND SERVICE SUPERVISORS. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. THE MAJOR OBJECTIVE IS TO DEVELOP (1) AN UNDERSTANDING OF THE PROCEDURES TO FOLLOW IN OVERHAULING A TRACTOR, AND (2) THE ABILITY TO DISASSEMBLE, REPAIR, REASSEMBLE, AND TUNE THE TRACTOR FOR FIELD OPERATING CONDITIONS. THE GUIDE INCLUDES SUGGESTIONS FOR ITS INTRODUCTION. SUBJECT-AREA UNITS COVER--(1) DIAGNOSING NEEDED TRACTOR REPAIRS, (2) PREPARING A TRACTOR ENGINE FOR REPAIR, (3) REPAIRING TRACTOR ENGINES, CLUTCHES, TRANSMISSIONS, BRAKES, AND STEERING UNITS, (4) REPAIRING AND ADJUSTING FINAL DRIVES AND DIFFERENTIALS, AND (5) PAINTING TRACTORS. EACH UNIT INCLUDES SUGGESTED SUBJECT-AREA

CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES. CRITERIA FOR EVALUATING OUTCOMES ARE LISTED. THE MODULE IS SCHEDULED FOR 168 HOURS OF CLASS INSTRUCTION, 366 HOURS OF LABORATORY EXPERIENCE, AND 250 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 504   ED 012 777
COURSE OUTLINE FOR AGRICULTURAL MACHINERY--SERVICE OCCUPATIONS.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-910-017-1
PUB DATE - AUG65 42P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; BIBLIOGRAPHIES; *COURSES; *POST SECONDARY EDUCATION; *PROGRAM DEVELOPMENT
IDENTIFIERS - COLUMBUS

ABSTRACT - THE OBJECTIVE OF THE 16-MODULE COURSE OUTLINED IN THIS GUIDE IS TO HELP TEACHERS PREPARE FORMER FARMERS, HIGH SCHOOL DROPOUTS AND GRADUATES, AND UNEMPLOYED, AND EMPLOYED PERSONS FOR OCCUPATIONAL ENTRY AS AGRICULTURAL MACHINERY SETUP MEN, MECHANIC'S HELPERS, MECHANICS, PARTS MEN, AND SERVICE SUPERVISORS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. THE SELF-CONTAINED, NONSEQUENTIAL UNITS OR MODULES ARE (1) DEALERSHIP MANAGEMENT AND ORGANIZATION, (2) SERVICE DEPARTMENT OPERATING PROCEDURES, (3) PARTS DEPARTMENT PROCEDURES, (4) SALESMANSHIP, (5) HUMAN RELATIONS, (6) METAL FUSION, (7) LUBRICATION, (8) MECHANICAL POWER TRANSFER SYSTEMS, (9) HYDRAULIC POWER TRANSFER SYSTEMS, (10) TILLAGE, PLANTING, SPRAYING, AND FERTILIZING MACHINERY, (11) CROP HARVESTING MACHINERY, (12) SMALL GASOLINE ENGINES, (13) TRACTOR TUNEUP AND MAINTENANCE, (14) GASOLINE TRACTOR ENGINE SYSTEMS, (15) DIESEL ENGINE SYSTEMS, AND (16) TRACTOR REPAIR. THE GUIDE SUGGESTS (1) TIME ALLOTMENTS, (2) SUPPLEMENTARY COURSES TO CORRECT DEFICIENCIES IN MATHEMATICS, COMMUNICATIONS, AND READING COMPREHENSION, (3) COURSE MATERIALS TO ADAPT THEM TO THE NEEDS OF ENROLLEES, (4) OCCUPATIONAL EXPERIENCES, (5) CRITERIA FOR ENROLLEE SELECTION, (6) CRITERIA FOR COURSE EVALUATION, (7) TOOLS AND EQUIPMENT, AND (8) REFERENCES. TEACHERS OF THE COURSE SHOULD HAVE EXPERIENCE WITH AGRICULTURAL MACHINERY. STUDENTS SHOULD HAVE MECHANICAL APTITUDE, A HIGH SCHOOL BACKGROUND, AND AN OCCUPATIONAL GOAL IN AGRICULTURAL MACHINERY. THIS DOCUMENT IS ALSO AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 488 THROUGH VT 000 504) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212, FOR $7.50 PER SET. (JM)

VT 000 515
FARM FORESTRY (AG 400), LABORATORY MANUAL.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LABORATORY
PUB DATE - 64 48P.

DESCRIPTORS - *FORESTRY OCCUPATIONS; *FORESTRY; TREES; *STUDY GUIDES; *STUDENT PROJECTS; *AGRICULTURAL EDUCATION; POST SECONDARY EDUCATION; TECHNICAL EDUCATION; ENGINEERING GRAPHICS

ABSTRACT - GUIDELINES FOR LABORATORY EXPERIENCES IN A POST SECONDARY COURSE IN FORESTRY ARE GIVEN IN THIS MANUAL. UNIT AREAS INCLUDE: A GENERAL FIELD TRIP, USE OF COMPASS AND CHAIN, SURVEYING A TRAVERSE, MAPPING AND LETTERING, A FIRE TOWER FIELD TRIP, AND THINNING AND PRUNING. AN IDENTIFICATION KEY, TEXTUAL MATERIAL, ILLUSTRATIONS, TABLES, MAPS AND EXERCISES ARE INCLUDED. "LETTERING EXERCISES FOR ENGINEERS AND DRAFTSMEN," BY PAUL R. LEONARD, IS GIVEN IN THE APPENDIX FOR USE BY STUDENTS IN DEVELOPING LETTERING SKILL. (JM)

VT 000 517
AGRICULTURAL CONSTRUCTION. A GUIDE FOR PROVIDING INSTRUCTION FOR 11TH OR 12TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUN64 42P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *CARPENTRY; MASONRY; ELECTRICITY; *FARM STRUCTURES; *CURRICULUM GUIDES; GRADE 11; GRADE 12

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS AND LOCAL PLANNING GROUPS MAY USE THIS GUIDE IN DEVELOPING PROGRAMS RELATED TO SPECIFIC OCCUPATIONS. IT IS DESIGNED TO ENABLE STUDENTS TO DEVELOP AN UNDERSTANDING OF THE PRINCIPLES AND CONCEPTS ESSENTIAL IN THE CONSTRUCTION OF FARM BUILDINGS AND FACILITIES AND TO DEVELOP NECESSARY SKILLS. SPECIFIC OBJECTIVES OF THE COURSE TREAT EMPLOYMENT OPPORTUNITY, STRUCTURAL DESIGN, MATERIALS, COSTS, DRAFTING, BLUEPRINT READING, PLANNING, SKILLS, AND SAFETY. MAJOR UNITS INCLUDE: (1) INTRODUCTION, ORIENTATION AND GUIDANCE, (2) FARM CARPENTRY, (3) COURSE AND MASONRY, (4) WATER AND WASTE DISPOSAL, AND (5) RURAL ELECTRIFICATION. EACH UNIT IS DESCRIBED IN TERMS OF SUBUNITS AND PROBLEM AREAS, SUGGESTED RESOURCES, AND SUGGESTED TEACHING-LEARNING ACTIVITIES. REFERENCES AND SUGGESTIONS FOR BASIC FACILITIES, EQUIPMENT, AND SUPERVISED PRACTICE PROGRAMS ARE INCLUDED. (JM)

VT 000 518
AGRICULTURAL BUSINESS OPERATION AND MANAGEMENT. A GUIDE FOR COURSE PLANNING FOR 11TH OR 12TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUN64 33P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; FARM MANAGEMENT; COOPERATIVE EDUCATION; GRADE 11; GRADE 12; *OFF FARM AGRICULTURAL OCCUPATIONS; BUSINESS

ABSTRACT - THIS GUIDE FOR VOCATIONAL AGRICULTURE COVERS SOME OF THE ASPECTS OF AGRICULTURAL BUSINESS OPERATION AND MANAGEMENT. THE OBJECTIVES ARE TO HELP STUDENTS: EXPLORE OCCUPATIONAL OPPORTUNITIES; TO BECOME ACQUAINTED WITH TRAINING NEEDS; TO UNDERSTAND ECONOMIC LAWS AND PRINCIPLES, BUSINESS FUNCTIONS, FINANCIAL ACCOUNTING; AND TO GAIN EXPERIENCE IN SOLVING BUSINESS PROBLEMS. THE MAJOR UNITS INCLUDED ARE: INTRODUCTION, ORIENTATION AND GUIDANCE, ECONOMIC ENVIRONMENT OF THE AGRICULTURAL INDUSTRY, FARM BUSINESS, AND NON-FARM AGRICULTURAL BUSINESSES. EACH UNIT IS OUTLINED TO INCLUDE SUBUNITS, PROBLEM AREAS, SUGGESTED RESOURCES AND TEACHING-LEARNING ACTIVITIES. REFERENCES AND AUDIO-VISUAL AIDS ARE LISTED. SUGGESTIONS ARE INCLUDED FOR SUPERVISED PRACTICE PROGRAMS. (JM)

VT 000 520
AGRICULTURAL MACHINERY AND EQUIPMENT; A GUIDE FOR PROVIDING INSTRUCTION FOR 11TH AND 12TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LABORATORY
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUN64 47P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL MACHINERY; *TEACHING GUIDES; EQUIPMENT; GRADE 11; GRADE 12

ABSTRACT - THIS CURRICULUM GUIDE IS FOR TEACHER USE IN PLANNING A 36-WEEK HIGH SCHOOL COURSE IN AGRICULTURAL MACHINERY AND EQUIPMENT. IT WAS DEVELOPED COOPERATIVELY BY TEACHER EDUCATORS, STATE SUPERVISORS, AND COMMUNITY COLLEGE PERSONNEL. THE UNITS ARE (1) INTRODUCTION, ORIENTATION, AND GUIDANCE, (2) WELDING, (3) INTERNAL COMBUSTION ENGINES, (4) SYSTEMS OF POWER TRANSMISSION, (5) FARM IMPLEMENTS AND EQUIPMENT, AND (6) ECONOMIC MANAGEMENT OF MACHINERY AND EQUIPMENT. EACH UNIT CONTAINS OBJECTIVES, SUBUNITS, AND PROBLEM AREAS, SUGGESTED RESOURCES KEYED TO A LIST IN THE APPENDIX, AND SUGGESTED TEACHING-LEARNING ACTIVITIES. A COURSE CALENDAR, A LIST OF BASIC FACILITIES AND EQUIPMENT, SUGGESTIONS FOR SUPERVISED PRACTICE PROGRAMS, AND A LIST OF TEXTS SUPPLEMENTARY REFERENCES, AND AUDIOVISUAL AIDS ARE INCLUDED. THE DOCUMENT IS MIMEOGRAPHED. (DM)

VT 000 521
LIVESTOCK AND POULTRY TECHNOLOGY: A GUIDE FOR PROVIDING INSTRUCTION FOR 11TH OR 12TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUN64 35P.

DESCRIPTORS - *CURRICULUM GUIDES; ANIMAL SCIENCE; *AGRICULTURAL PRODUCTION; *LIVESTOCK; GRADE 11; GRADE 12; *VOCATIONAL AGRICULTURE; POULTRY

ABSTRACT - THE OBJECTIVES OF THIS COURSE ARE TO ENABLE STUDENTS TO: (1) BECOME ACQUAINTED WITH OCCUPATIONAL OPPORTUNITIES, (2) UNDERSTAND ANATOMY, PHYSIOLOGY, NUTRITION AND GENETICS, (3) UNDERSTAND FUNDAMENTALS AND ECONOMICS OF ANIMAL HEALTH, (4) UNDERSTAND ECONOMIC RELATIONSHIPS, (5) DEVELOP SKILLS IN APPLICATION TO PRODUCTION AND MARKETING, AND (6) UNDERSTAND FACTORS OF SUCCESS IN THE LIVESTOCK AND POULTRY INDUSTRY. A 36-WEEK CALENDAR OF THE COURSE OF STUDY IS INCLUDED. MAJOR UNITS IN THE COURSE ARE: (1) INTRODUCTION, ORIENTATION AND GUIDANCE, (2) GENETICS AND BREEDING, (3) PHYSICAL AND CHEMICAL ASPECTS OF ANIMAL GROWTH, (4) ANIMAL HEALTH, DISEASE PREVENTION, AND PARASITE CONTROL, (5) LIVESTOCK AND POULTRY PRODUCTION, AND (6) ANALYZING SITUATIONS AND DEVELOPING LOGICAL PLANS OF ACTION. EACH UNIT IS ORGANIZED TO INCLUDE SUBUNITS, PROBLEM AREAS, SUGGESTED RESOURCES, AND TEACHING-LEARNING ACTIVITIES. TEXTS, SUPPLEMENTARY REFERENCES, AUDIO-VISUAL AIDS, AND BASIC FACILITIES AND EQUIPMENT ARE SUGGESTED. A PROGRAM OF SUPERVISED PRACTICE IS OUTLINED. (JM)

VT 000 522
STEFFY, ROBERT E.
THE APPLICATION OF SELECTED PRINCIPLES TO FARMING PROGRAM RECORD KEEPING (A RESOURCE UNIT FOR TEACHERS AND STUDENTS). TEACHER EDUCATION RESEARCH SERIES, VOLUME 6, NUMBER 1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($.50).
PUB DATE - 65 93P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *FARMERS; *RECORDKEEPING; *FARM MANAGEMENT; BUSINESS SKILLS; FARM ACCOUNTS; HIGH SCHOOLS;

GRADE 9

ABSTRACT - INFORMATION NEEDED IN APPLYING SELECTED BUSINESS PRINCIPLES TO FARM RECORD KEEPING AND BUSINESS MANAGEMENT IS PRESENTED IN THIS DOCUMENT FOR USE BY VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS AS REFERENCE OR TEXT MATERIALS. IT WAS DEVELOPED BY A VOCATIONAL AGRICULTURE TEACHER, PRETESTED IN 10 INDIANA COUNTY SCHOOLS, AND REVISED. MAJOR UNITS ARE (1) DEVELOPING PERSONAL CHARACTERISTICS, (2) TYPES OF BUSINESS ORGANIZATIONS, (3) GENERAL INSTRUCTIONS IN RECORD KEEPING, (4) THE REQUIREMENTS OF A LEGAL CONTRACT, (5) THE FARMING PROGRAM FINANCIAL ESTIMATE OR BUDGET, (6) SALESMANSHIP AND MARKETING, (7) CALCULATING THE EXPENSE OF DEPRECIATION, (8) SUMMARIZING THE RECORD BOOK, (9) THE BUSINESS PRINCIPLES INVOLVED IN THE FINANCIAL STATEMENT, (10) THE COMMERCIAL BANK AS A SOURCE OF CREDIT, (11) ADVANTAGES AND DISADVANTAGES OF INSTALLMENT BUYING, AND (12) SHARING ECONOMIC LOSS THROUGH INSURANCE. OBJECTIVES, PROCEDURES, REFERENCES, AND TEACHING AIDS ARE RECOMMENDED FOR EACH UNIT. AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH NINTH GRADE STUDENTS WHO HAVE INTEREST AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. THE APPENDIXES INCLUDE A FARMING PROGRAM FINANCIAL ESTIMATE, FARM INSURANCE POLICIES, A FINANCIAL STATEMENT, REFERENCE MATERIAL, AND INSTRUCTIONAL AIDS. (WB)

VT 000 525
TOWNE, DOUGLAS C.
VISUALIZING AGRICULTURAL CREDIT, A SUPPLEMENT TO "AGRICULTURAL CREDIT," RESOURCE UNIT .

STATE UNIV. OF NEW YORK, ITHACA. AGRICULTURAL EDUCATION DIV. AT CORNELL UNIV.
PUB DATE - JAN65 17P.

DESCRIPTORS - *CREDIT (FINANCE); *FARM MANAGEMENT; *VOCATIONAL AGRICULTURE; *TRANSPARENCIES; *AUDIOVISUAL AIDS

ABSTRACT - THE PURPOSE OF THIS SUPPLEMENT IS TO AID OPTIMUM LEARNING BY PROVIDING VISUALIZATION OF VERBAL SYMBOLS. SIX PLATES FROM WHICH OVERHEAD PROJECTION TRANSPARENCIES CAN BE MADE ARE INCLUDED WITH SUGGESTIONS ON THEIR PREPARATION AND USE. PLATES TO BE USED AS TRANSPARENCY MASTERS ARE GIVEN FOR EXPLAINING: (1) THE FORMULA FOR COMPUTING ANNUAL INTEREST RATE, WITH SEVERAL DESIGNED TO BE FILLED IN AS INSTRUCTION PROGRESSES, (2) THE FORMULA FOR COMPUTING CHANGE IN INCOME, AND (3) TYPES OF CHECK ENDORSEMENTS. A SUMMARY CHART, CLASSIFICATION OF LENDING INSTITUTIONS, AND GROWTH OF SET-ASIDES ARE PRESENTED FOR REPRODUCTION AS CHARTS. REFERENCES TO "AGRICULTURAL CREDIT" ARE PROVIDED. (JM)

VT 000 526
TOWNE, DOUGLAS C.
AGRICULTURAL CREDIT, A RESOURCE UNIT FOR TEACHERS OF AGRICULTURE.

STATE UNIV. OF NEW YORK, ITHACA. AGRICULTURAL EDUCATION DIV. AT CORNELL UNIV.
PUB DATE - JAN65 37P.

DESCRIPTORS - *CREDIT (FINANCE); *FARM MANAGEMENT; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; FARMERS; *SUPPLEMENTARY TEXTBOOKS

ABSTRACT - THE OBJECTIVES OF THE COURSE ARE TO PROVIDE HIGH SCHOOL OR POST-SECONDARY STUDENTS WITH A KNOWLEDGE OF CREDIT, SKILL IN MAKING COMPUTATIONS, AND A BASIS UPON WHICH TO MAKE CREDIT DECISIONS. UNITS INCLUDE: OBTAINING CAPITAL, CREDIT CHARGES, TYPES OF CREDIT, SOURCES OF CREDIT, REPAYMENT TERMS, CREDIT INSTRUMENTS, CREDIT NEEDS, AND USING CREDIT. THE MATERIAL IS PRESENTED IN TEXTUAL FORM WITH PRACTICE PROBLEMS. REFERENCES ARE LISTED. OVERHEAD TRANSPARENCY MASTERS FOR USE WITH THIS COURSE ARE ANNOUNCED AS VT 000 525 (AIM, SPRING 1969). (JM)

VT 000 528
HUTCHINSON, JAMES
SUGGESTIONS FOR ORIENTING VOCATIONAL AGRICULTURE STUDENTS TO EMPLOYMENT OPPORTUNITIES IN FARM BASED BUSINESSES AND AGENCIES (A UNIT OF INSTRUCTION PROVIDING BASIC INFORMATION ABOUT NON-FARM AGRICULTURE). AG. ED. NO. 5.

LOUISIANA STATE UNIV., BATON ROUGE. DEPT. OF VOCATIONAL AGRICULTURAL EDUCATION
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL AGRICULTURAL SECTION
PUB DATE - FEB65 167P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SUPPLEMENTARY TEXTBOOKS; EMPLOYMENT TRENDS; *OCCUPATIONAL INFORMATION; *OFF FARM AGRICULTURAL OCCUPATIONS

ABSTRACT - THE INCREASING COMPLEXITY OF THE WORK WORLD AND ITS CONSEQUENT REQUIREMENT OF CHANGING SECONDARY SCHOOL PROGRAMS DICTATED THE CONTENT OF THIS TEXTBOOK FOR HIGH SCHOOL STUDENTS. THE INFORMATION IS PRESENTED IN TEXTUAL FORM FOR STUDENT USE AND ORGANIZED INTO SIX LESSONS WITH A TOPICAL OUTLINE PRECEDING EACH LESSON. SUBJECT MATTER INCLUDES: (1) POPULATION AND WORK, (2) YOUTH AND WORK, (3) JOB OUTLOOK FOR YOUTH IN AGRICULTURE, (4) EMPLOYMENT INFORMATION, (5) AGRICULTURAL BUSINESS ORGANIZATION, AND (6) AGRICULTURAL BUSINESS OPERATIONS. EXAMPLES, TABLES, GRAPHS, AND TEXT ARE USED TO CONVEY THE INFORMATION. (JM)

VT 000 544
A PROGRAM OF FARM MANAGEMENT EDUCATION FOR FAMILY FARM OPERATORS.

SAINT CLOUD AREA VOCATIONAL SCHOOL, MINN.
MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL. VOCATIONAL EDUCATION SECTION
AREA VOCATIONAL AGRICULTURE COORDINATOR, TECHNICAL HIGH BUILDING, SAINT CLOUD, MINNESOTA.
PUB DATE - ND 10P.

DESCRIPTORS - *PROGRAM GUIDES; *FARM MANAGEMENT; PROGRAM DEVELOPMENT; *ADULT FARMER EDUCATION; *FARMERS; *FARM ACCOUNTS; AREA VOCATIONAL SCHOOLS

ABSTRACT - THE PURPOSE OF THIS MATERIAL IS TO INTRODUCE TO FARM FAMILIES THE FARM MANAGEMENT INSTRUCTIONAL PROGRAM EXISTING IN HIGH SCHOOLS AND AREA VOCATIONAL SCHOOLS IN THE STATE. THE DOCUMENT DEFINES FARM MANAGEMENT, LISTS PROGRAM OBJECTIVES, EXPLAINS CLASS SCHEDULES, DESCRIBES COURSE CONTENT, EXPLAINS THE FARM BUSINESS ANALYSIS SERVICE, AND DESCRIBES THE RELATIONSHIP TO COOPERATING AGENCIES. (JM)

VT 000 570
BRENGLE, K.G., AND OTHERS
LAND JUDGING, INSTRUCTIONAL MATERIALS FOR COLORADO VOCATIONAL AGRICULTURE PROGRAM.

COLORADO STATE UNIV., FORT COLLINS. DEPT. OF AGRONOMY
PUB DATE - JUN65 39P.

DESCRIPTORS - *LAND JUDGING; IRRIGATION; *AGRONOMY; *SOIL SCIENCE; *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE OBJECTIVE OF THIS MATERIAL IS TO PROVIDE INFORMATION FOR VOCATIONAL AGRICULTURE STUDENTS ON THE PROCESS OF CLASSIFYING LAND ACCORDING TO ITS CAPABILITY. SUBJECT MATTER INCLUDES: (1) THE PRINCIPLES OF CLASSIFICATION, (2) METHODS OF IRRIGATION, (3) A LAND JUDGING SCORE CARD, (4) LAND JUDGING INFORMATION, (5) SOIL HORIZONS, AND (6) SOIL HORIZON LOWER BOUNDARIES. THE MATERIAL IS PRESENTED IN TEXT AND OUTLINE FORM AND INTENDED AS A GUIDE FOR STUDENTS TO USE IN PREPARING FOR LAND JUDGING CONTESTS. (JM)

VT 000 573
FULLER, GERALD R.
FARM BUSINESS MANAGEMENT, A SAMPLE PROCEDURE FOR ORGANIZING COURSE OUTLINES.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION
PUB DATE - JUL63 23P.

DESCRIPTORS - *FARM MANAGEMENT; *CURRICULUM GUIDES; *CURRICULUM PLANNING; *VOCATIONAL AGRICULTURE; INSERVICE TEACHER EDUCATION

ABSTRACT - THE PURPOSE OF THIS MATERIAL IS TO STIMULATE THINKING IN INSERVICE TEACHER EDUCATION COURSES, AND TO ILLUSTRATE ONE WAY IN WHICH THE SUBJECT AREA COULD BE ORGANIZED. IT WAS DEVELOPED BY A TEACHER EDUCATOR FOR USE IN A 3-DAY COURSE FOR 10 VOCATIONAL AGRICULTURE TEACHERS. GUIDING PRINCIPLES IN ORGANIZING A COURSE EMPHASIZE GOOD OBJECTIVES, TEACHING PROCEDURES, AND LEARNING EXPERIENCES. THE DEGREE OF EMPHASIS PLACED ON FARM BUSINESS MANAGEMENT INSTRUCTION IN THE TOTAL VOCATIONAL AGRICULTURE PROGRAM INCREASES FROM BEGINNING TO ADVANCED GROUPS. EMPHASIS CHANGES FROM THE INDIVIDUAL FARMING PROGRAM TO THE TOTAL FARM BUSINESS. THE ORGANIZATIONAL APPROACH IS RELATED TO THE FINANCIAL ASPECTS AND PROFIT MOTIVE OF FARMING. THE SAMPLE 4-YEAR COURSE OUTLINE IS ARRANGED BY YEARS, AND THE UNITS OR PROBLEM AREAS INCLUDE MANAGEMENT ABILITIES, RESOURCE INVENTORY, EFFICIENCY MEASUREMENT, DATA GATHERING, BUSINESS ANALYSIS, BUSINESS INVENTORY, ACCOUNTS, ACCOUNT SUMMARIZATION, ALTERNATIVE INCOME POSSIBILITIES, CREDIT, SUCCESS MEASUREMENT, BUDGETING, PROPERTY TRANSFER, AND INSURANCE. A SAMPLE OUTLINE FOR ADULT FARMER CLASSES COVERS SIMILAR MATERIAL MORE BRIEFLY. (JM)

VT 000 574
FULLER, GERALD R.
FARM BUSINESS MANAGEMENT, FINANCING PRODUCTION AGRICULTURE, SOURCE MATERIALS FOR PROVIDING SYSTEMATIC INSTRUCTION TO FARMERS, AGRICULTURAL BUSINESSMEN AND HIGH SCHOOL STUDENTS.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION
PUB DATE - JUL64 29P.

DESCRIPTORS - *FARM MANAGEMENT; *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; CREDIT

ABSTRACT - THE COURSE WAS DEVELOPED FOR HIGH SCHOOL AND ADULT FARMER CLASSES BY A TEACHER EDUCATOR. SPECIFIC COURSE OBJECTIVES ARE RELATED TO 10 PROBLEM AREAS: (1) FINANCIAL ANALYSIS, (2) OPERATING CREDIT, (3) EXPANSION CREDIT, (4) CONSUMER CREDIT, (5) CREDIT AND MARKETING, (6)LENDER SELECTION, (7) ACQUIRING LOANS, (8) MANAGING CREDIT AND TAXES, (9) BUSINESS INSURANCE, AND (10) PERSONAL INSURANCE. UNIT AREAS IN THE COURSE PARALLEL THE PROBLEM AREAS. TEACHER OBJECTIVES, INTEREST APPROACHES, ANTICIPATED QUESTIONS, POSSIBLE ACTIVITIES, REFERENCES, AND TEACHING AIDS ARE LISTED FOR EACH PROBLEM AREA OR UNIT. THE UNITS ARE PLANNED FOR YOUNG AND ADULT FARMER GROUPS IN GREATER DETAIL WITH MODIFYING SUGGESTIONS FOR CLASSES OF HIGH SCHOOL STUDENTS AND AGRICULTURAL BUSINESSMEN. SOURCES OF REFERENCES AND TEACHING AIDS ARE LISTED. (JM)

VT 000 575
JOHNSON, GEORGE L.; HARRISON, FARRES A.
FARM ADVERTISING AND SALESMANSHIP. RESOURCE UNIT.

WISCONSIN UNIV., MADISON. DEPT. OF AGRICULTURAL AND EXTENSION EDUCATION
PUB DATE - NOV63 95P.

DESCRIPTORS - *STUDY GUIDES; *YOUNG FARMERS; ADULT LEVEL; GRADE 12; *FARM ADVERTISING INSTRUCTION; *FARM SALESMANSHIP INSTRUCTION

ABSTRACT - IMPROVEMENT OF PROMOTION AND SALES IS THE OBJECTIVE OF THIS GUIDE FOR HIGH SCHOOL SENIORS IN VOCATIONAL AGRICULTURE AND YOUNG ADULT FARMER CLASSES. SUBJECT MATTER IS GIVEN FOR: (1) SALES TECHNIQUES, (2) FARM NAMING, (3) FARM LETTERHEADS, (4) SALES LETTERS, (5) CLASSIFIED ADS, (6) DISPLAYS, (7) EXHIBITS, (8) FARM SIGNS, (9) REGULATIONS ON SELLING AND ADVERTISING, AND (10) THE FARM OFFICE. THE TEXT OF EACH OF THE 12 UNITS IS PRECEDED BY A STUDY GUIDE CONTAINING OBJECTIVES, QUESTIONS, RESOURCE MATERIAL, AND SUPPLEMENTARY ACTIVITIES. A PARTIAL LISTING OF THE STATE'S STATUTE CHAPTERS AND TITLES AND A BIBLIOGRAPHY OF RELATED LITERATURE ARE

INCLUDED. (JM)

VT 000 582
STEVENS, G.Z., AND OTHERS
FARM FIELD MAPPING--SOIL, WATER AND FERTILITY MANAGEMENT , A RESOURCE UNIT FOR ADULT EDUCATION CLASSES . TEACHER EDUCATION SER-4-NO-9.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF AGRICULTURE
PENNSYLVANIA YOUNG FARMERS' ASSOCIATION
PENNSYLVANIA ASSOCIATION OF SOIL AND WATER CONSERVATION DISTRICT DIRECTORS, INC.
PUB DATE - 63 17P.

DESCRIPTORS - *RESOURCE UNITS; LESSON PLANS; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; FERTILIZERS; SOIL CONSERVATION; MAPS; *FARM MANAGEMENT; WATER RESOURCES; *ADULT FARMER EDUCATION

ABSTRACT - TECHNICAL INFORMATION NEEDED FOR FARM FIELD MAPPING, SOIL AND WATER CONSERVATION, AND FIELD FERTILITY MANAGEMENT IS PRESENTED IN THIS COURSE OUTLINE FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PLANNING ADULT FARMER CLASSES. IT WAS DEVELOPED BY TEACHER EDUCATORS, SUBJECT-MATTER SPECIALISTS, AND A COMMITTEE OF TEACHERS. THE LESSONS ARE (1) MAKING MAPS OF INDIVIDUAL FARMS, (2) LEARNING THE MAJOR SOIL TYPES, (3) BECOMING ACQUAINTED WITH THE SOILS, (4) APPRAISING THE CAPABILITIES OF THE SOILS, (5) APPRECIATING AND USING CONSERVATION PRACTICES, (6) PLANNING WATER MANAGEMENT SYSTEMS, (7) ESTABLISHING CONSERVATION PRACTICES, (8) MAINTAINING EROSION CONTROL PRACTICES, (9) MAKING AND UNDERSTANDING SOIL TESTS, (10) UNDERSTANDING FERTILITY AND WATER REQUIREMENTS OF SPECIFIC CROPS, (11) RECOGNIZING AND MANAGING LIMITING FACTORS IN FERTILITY MANAGEMENT, AND (12) RECORDING AND USING INDIVIDUAL FIELD DATA. EACH CONTAINS STATED PURPOSES, PLANNING PROCEDURES, AND SUGGESTED ACTIVITIES. THE SUGGESTED TIME ALLOTMENT IS 12 CLASS SESSIONS. TEACHERS WITH A BACKGROUND IN PRODUCTION AGRICULTURE MAY USE THIS MATERIAL WITH ADULT FARMERS WHO HAVE INTEREST AND OCCUPATIONAL NEED FOR INSTRUCTION IN THIS AREA OF FARM MANAGEMENT. REFERENCES AND ILLUSTRATIONS ARE INCLUDED. (WB)

VT 000 584
SUTHERLAND, S.S.
TRAINING SUPERVISORS OF FARM LABOR, A GUIDE FOR INSTRUCTORS .

CALIFORNIA UNIV., DAVIS. DEPT. OF AGRICULTURAL EDUCATION

PUB DATE - 65 128P

DESCRIPTORS - JOB ANALYSIS; *TEACHING GUIDES; AGRICULTURAL LABORERS; *AGRICULTURAL EDUCATION; CREW LEADERS; SUPERVISION; SUPERVISORY ACTIVITIES; SUPERVISORY METHODS; *SUPERVISORS; *SUPERVISORY TRAINING; PROBLEM SOLVING; *ADULT FARMER EDUCATION

ABSTRACT - THIS GUIDE FOR USE IN TRAINING FARM FOREMEN, SUPERINTENDENTS, AND CREW LEADERS IN PRINCIPLES OF SUPERVISION, EFFECTIVE RELATIONSHIPS WITH WORKERS, JOB BREAKDOWNS, AND JOB INSTRUCTION HAS BEEN PILOT TESTED BY 20 TEACHERS. EMPHASIS IS ON UNDERSTANDING AND TRAINING THE FARM WORKER. CONTENT INCLUDES: (1) SUPERVISION, MOTIVATION AND RELATIONSHIPS OF THE FARM WORKER, (2) A FOUR-STEP APPROACH TO PROBLEMS IN SUPERVISION, (3) PRACTICE IN PROBLEM SOLVING, (4) METHODS OF INSTRUCTING FARM WORKERS, (5) JOB BREAKDOWNS, (6) JOB SIMPLIFICATION, AND (7) GROUP INSTRUCTION TECHNIQUES. THE DOCUMENT IS ORGANIZED TO BE USED BY AN INSTRUCTOR, STUDENT, OR LABOR SUPERVISOR AS A COMPLETE INSTRUCTIONAL MANUAL OR AS A GUIDE WHICH MAY BE SUPPLEMENTED. EITHER EIGHT OR TEN SESSIONS TOTALING 20 HOURS ARE RECOMMENDED. THE APPENDIX INCLUDES ANECDOTES, DISCUSSION TOPICS, GAMES, AND OTHER CLASS ACTIVITIES APPROPRIATE TO THE COURSE. (DM)

VT 000 594
ASH, JAMES
AGRICULTURE FILMS FOR VOCATIONAL AGRICULTURE CLASSES .

WEST VIRGINIA UNIV., MORGANTOWN. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - MAY63 42P.

DESCRIPTORS - *FILMS; *ANNOTATED BIBLIOGRAPHIES; *VOCATIONAL AGRICULTURE

ABSTRACT - FILMS USEFUL TO VOCATIONAL AGRICULTURE TEACHERS ARE LISTED IN THIS LATEST REVISION OF A SERIES STARTED IN 1948. THE 122 FILMS ARE ORGANIZED UNDER 28 CATEGORIES--AGRICULTURAL ECONOMICS, FARM BUILDINGS AND STRUCTURES, FARM ELECTRICITY, FARM POWER AND MACHINERY, FARM SHOP, SOIL AND WATER MANAGEMENT, ANIMAL HUSBANDRY, DAIRY, POULTRY, SHEEP, SWINE, LIVESTOCK MARKETING, ANIMAL DISEASES AND PARASITES, CORN, HAY CROPS, PASTURES, POTATOES, SILAGE, SMALL GRAINS, WEEDS, FORAGE INSECT AND DISEASE CONTROL, FERTILIZERS, FORESTRY, FARM SAFETY, CAREERS, FUTURE FARMERS OF AMERICA, AND GENERAL AND CONTRIBUTORY. EACH FILM IS BRIEFLY DESCRIBED BY TITLE, SUBJECT MATTER, LENGTH, TYPE, RATING, POINTS COVERED, SOURCE, AND COST. (JM)

VT 000 610
BEAM, H.E.
INTRODUCTION TO AGRICULTURAL OCCUPATIONS, A GUIDE FOR EFFECTIVE TEACHING IN VOCATIONAL AGRICULTURE. PROPOSED SUPPLEMENT FOR 9TH GRADE.

NORTH CAROLINA STATE UNIV., RALEIGH
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
PUB DATE - JUN64 58P.

DESCRIPTORS - *AGRICULTURAL OCCUPATIONS; *CAREER PLANNING; *VOCATIONAL AGRICULTURE; GRADE 9; *CURRICULUM GUIDES; *OCCUPATIONAL INFORMATION

ABSTRACT - THE GUIDE, DESIGNED FOR NINTH

GRADE VOCATIONAL AGRICULTURE, WAS DEVELOPED TO ENABLE STUDENTS TO UNDERSTAND VOCATIONAL EDUCATION AND VOCATIONAL AGRICULTURE, UNDERSTAND THE IMPORTANCE OF AND LEARN CONSIDERATIONS IN CAREER PLANNING, UNDERSTAND SELF ASSESSMENT, GAIN INSIGHT INTO OCCUPATIONAL OPPORTUNITIES AND BECOME ACQUAINTED WITH AGRICULTURE, UNDERSTAND FACTORS FOR SUCCESS, EXPLORE AND DEVELOP NECESSARY SKILLS, LEARN OF EDUCATIONAL OPPORTUNITIES, GAIN KNOWLEDGE OF ECONOMIC FORCES, AND APPRAISE AND DEVELOP LEADERSHIP AND MEMBERSHIP SKILLS AND EXPLORE OPPORTUNITY FOR THEIR USE. THE COURSE UNITS INCLUDE: (1) VOCATIONAL EDUCATION IN AGRICULTURE, (2) BASES FOR DIFFERENT OCCUPATIONS, (3) KNOWING SELF AND WORK, (4) OPPORTUNITIES AND REQUIREMENTS IN AGRICULTURAL OCCUPATIONS, AND (5) LEARNING EXPERIENCES THROUGH WORK IN AGRICULTURAL EDUCATION. MINIMUM ACCEPTABLE PERFORMANCE LEVELS, SUGGESTED TEACHING-LEARNING ACTIVITIES, REFERENCES AND MATERIALS ARE DESCRIBED FOR EACH INSTRUCTIONAL GOAL IN EACH OF THE UNITS. SUGGESTED SUPERVISED PRACTICE PROGRAMS ARE EXPLAINED. (JM)

VT 000 611
FUNDAMENTALS OF PLANT IDENTIFICATION, A STUDENT STUDY GUIDE.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE UNIV., COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.15).
PUB DATE - 67 15P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *FARM OCCUPATIONS; FORAGE CROPS; WEEDS; *PLANT IDENTIFICATION; GRADE 9; GRADE 10; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY A TEACHER AFTER TRAIL WITH STUDENTS AND CONSIDERATION BY OTHER TEACHERS AND AGRONOMISTS, THIS STUDY GUIDE IS TO PROVIDE NINTH AND TENTH GRADE VOCATIONAL AGRICULTURE STUDENTS INTERESTED IN FARMING OR AGRONOMY WITH AN AID FOR IDENTIFYING COMMON PLANTS. THE ILLUSTRATED EXERCISES CALL FOR THE IDENTIFICATION OF PLANT CHARACTERISTICS, LEAF TYPES, PLANT NAME, LEAF SHAPES, AND LEAF MARGINS. THE RECOMMENDED TIME ALLOTMENT FOR ITS USE IS FIVE HOURS. THE GUIDE IS TO BE USED WITH A SERIES OF 18 COLOR SLIDES, "FUNDAMENTALS OF PLANT IDENTIFICATION." OTHER REFERENCES ARE "AN AID TO THE IDENTIFICATION OF 60 OHIO PLANTS" AND A SLIDE SERIES, "SOME COMMON CROP AND WEED PLANTS OF OHIO," ALL AVAILABLE FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. COPIES OF THIS DOCUMENT ARE AVAILABLE FOR 15 CENTS FROM THE SAME SOURCE. (JM)

VT 000 618
DRAWBAUGH, CHARLES C.
USING THE SCHOOL GREENHOUSE , A SCHOOL-YEAR UNIT TO TEACH ENVIRONMENTAL PRINCIPLES OF PLANT SCIENCE THROUGH PRODUCTION OF CROPS OF CHRYSANTHEMUMS, DAFFODILS, AND VEGETABLE TRANSPLANTS. TEACHER EDUCATION SERIES, VOLUME 4, NUMBER 4.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF AGRICULTURE
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.00).
PUB DATE - 63 73P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; *GREENHOUSES;
ORNAMENTAL HORTICULTURE; PLANT GROWTH; HIGH SCHOOLS

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE EXPERIMENTATION WITH AND PRODUCTION OF CHRYSANTHEMUMS, DAFFODILS, AND VEGETABLE TRANSPLANTS IS PRESENTED IN THIS COURSE OF STUDY FOR HIGH SCHOOL STUDENT USE AS TEXT OR REFERENCE MATERIAL. IT WAS DEVELOPED BY AN INDIVIDUAL AUTHOR, TESTED BY A GROUP OF TEACHERS, AND REVISED. MAJOR SECTIONS ARE (1) PRINCIPLES OF GROWING GREENHOUSE CHRYSANTHEMUMS, (2) PRINCIPLES OF FORCING POT DAFFODILS, AND (3) PRINCIPLES OF PRODUCING QUALITY VEGETABLE TRANSPLANTS. A TIME SCHEDULE, MATERIALS NEEDED, PROCEDURE, AND KEY QUESTIONS ARE INCLUDED FOR EACH SECTION. THE SUGGESTED TIME ALLOTMENT IS 1 SCHOOL YEAR. ORNAMENTAL HORTICULTURE TEACHERS MAY USE THIS MATERIAL WITH STUDENTS ENROLLED IN GREENHOUSE PRODUCTION. A LIST OF REFERENCES IS INCLUDED. (WB)

VT 000 619 ED 013 290
COURSE OUTLINE FOR HORTICULTURE-SERVICE OCCUPATIONS.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-940-017-00
PUB DATE - AUG65 32P.

DESCRIPTORS - BIBLIOGRAPHIES; *COURSES; EMPLOYMENT OPPORTUNITIES; HIGH SCHOOLS; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *PROGRAM DEVELOPMENT; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PUBLICATION OF THIS AND OTHER DOCUMENTS IN THE SERIES ON OFF-FARM AGRICULTURAL OCCUPATIONS WAS THE RESULT OF AN EFFORT TO ASSIST STATE AND LOCAL LEADERS IN DEVELOPING TRAINING PROGRAMS. PRIME CONSIDERATION WAS GIVEN TO DATA FROM SEVERAL STATE STUDIES AND DEVELOPMENT WAS BY A NATIONAL TASK FORCE. THE PURPOSE OF THE COURSE IS TO ASSIST HIGH SCHOOL STUDENTS TO DEVELOP COMPETENCE FOR OCCUPATIONAL ENTRY AS SERVICE WORKERS IN NURSERIES, GARDEN CENTERS, GREENHOUSES, GOLF COURSES, AND GROUND MAINTENANCE DEPARTMENTS. IT IS UNIQUELY APPROPRIATE FOR DISADVANTAGED STUDENTS INTERESTED IN HORTICULTURE. IT DESCRIBES THE OCCUPATIONS, PERSONS TO BE SERVED, TEACHING MODULES INCLUDED, NATURE OF THE COURSE, AND THE PERSONNEL AND SETTING INVOLVED IN COURSE DEVELOPMENT. TEACHING MODULES, PUBLISHED SEPARATELY, INCLUDE (1) OCCUPATIONAL OPPORTUNITY, (2) PLANT IDENTIFICATION, (3) PROPAGATION, (4) GROWING, (5) SOILS MEDIA,

(6) PLANT PESTS, (7) PLANT GROWING STRUCTURES, (8) SALESMANSHIP, (9) LAWNS AND TURF, (10) SMALL POWER EQUIPMENT, (11) ORNAMENTAL PLANT MATERIALS AND LANDSCAPE STRUCTURES, AND (12) HUMAN RELATIONS. SUGGESTED TIME ALLOTMENTS, SUPPORTING EDUCATION, METHODS FOR INTRODUCING THE COURSE, USE OF COURSE MATERIALS, EVALUATIVE CRITERIA, INSTRUCTIONAL MATERIALS, AND REFERENCES ARE INCLUDED. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 620 ED 013 291
EXPLORING OCCUPATIONAL OPPORTUNITIES IN ORNAMENTAL HORTICULTURE. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 1.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-901-017-1
PUB DATE - AUG65 31P.

DESCRIPTORS - BIBLIOGRAPHIES; *EMPLOYMENT OPPORTUNITIES; HIGH SCHOOLS; *OCCUPATIONAL CHOICE; *ORNAMENTAL HORTICULTURE OCCUPATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - THE MAJOR OBJECTIVE OF THIS MODULE IS TO DEVELOP STUDENT UNDERSTANDING OF OCCUPATIONAL OPPORTUNITIES AVAILABLE IN ORNAMENTAL HORTICULTURE. IT IS ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE SERVICE OCCUPATIONS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. SUBJECT MATTER AREAS ARE ORNAMENTAL HORTICULTURE ENTERPRISE AND JOB IDENTIFICATION, LOCAL ORNAMENTAL HORTICULTURE BUSINESSES, AND AVAILABLE NATIONAL EMPLOYMENT OPPORTUNITIES. SUGGESTED SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND MEANS FOR EVALUATION ARE INCLUDED. SUGGESTED TIME ALLOTMENT IS 11 HOURS OF CLASS INSTRUCTION AND 4 HOURS OF LABORATORY EXPERIENCE. A TEACHER WITH A BACKGROUND IN ORNAMENTAL HORTICULTURE MAY USE THIS MATERIAL TO PLAN FOR LESS ABLE HIGH SCHOOL STUDENTS WITH AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE SERVICE OCCUPATIONS. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 621 ED 013 292
IDENTIFYING HORTICULTURAL PLANTS. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 2.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-200-017-2
PUB DATE - AUG65 36P.

DESCRIPTORS - BIBLIOGRAPHIES; HIGH SCHOOLS; *HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *PLANT IDENTIFICATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); VOCABULARY; *VOCATIONAL AGRICULTURE

ABSTRACT - THE MAJOR OBJECTIVE OF THIS GUIDE IS TO DEVELOP THE ABILITY TO IENTIFY COMMON PLANTS THAT ARE IMPORTANT TO THE ORNAMENTAL HORTICULTURIST. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM A NUMBER OF STATE STUDIES. IT IS ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE-SERVICE OCCUPATIONS. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. SUBJECT MATTER AREAS ARE (1) VOCABULARY, (2) SCIENTIFIC NOMENCLATURE, AND (3) PLANT IDENTIFICATION. EACH AREA INCLUDES SUGGESTED SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, AND INSTRUCTIONAL MATERIALS AND REFERENCES. SEVERAL SUGGESTIONS FOR EVALUATING EDUCATIONAL OUTCOMES ARE ALSO GIVEN. THE MODULE IS SCHEDULED FOR 85 HOURS OF CLASS INSTRUCTION. A TEACHER WITH A BACKGROUND IN HORTICULTURE MAY USE IT TO PLAN A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WITH AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 622 ED 013 293
PROPAGATING HORTICULTURAL PLANTS. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 3.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-200-017-3
PUB DATE - AUG65 58P.

DESCRIPTORS - BIBLIOGRAPHIES; HIGH SCHOOLS; *HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *PLANT PROPAGATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE SERVICE OCCUPATIONS, THIS GUIDE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP AN UNDERSTANDING OF VARIOUS PLANT PROPAGATION METHODS AND AN ABILITY TO CARRY OUT CERTAIN PROPAGATION PROCEDURES. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SUBJECT MATTER AREAS ARE (1) PRODUCING PLANTS FROM SEEDS, (2) PRODUCING PLANTS FROM CUTTINGS, (3) PRODUCING PLANTS FROM LAYERAGE, (4) PROPAGATING BY BUDDING AND GRAFTING METHODS, AND (5) BUILDING PROPAGATION CONTAINERS AND EQUIPMENT. SUGGESTIONS FOR INTRODUCTION OF THE MODULE, SPECIFIC UNIT OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES, AND EVALUATIVE CRITERIA ARE INCLUDED. THE MODULE IS SCHEDULED FOR 30 HOURS OF CLASS INSTRUCTION, 70 HOURS OF LABORATORY EXPERIENCE, AND 50 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS WITH A BACKGROUND IN

HORTICULTURE MAY USE IT AS A GUIDE FOR DEVELOPING A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WITH AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 623   ED 013 294
GROWING HORTICULTURAL PLANTS. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 4.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-200-017-4
PUB DATE -   AUG65   53P.

DESCRIPTORS - BIBLIOGRAPHIES; HIGH SCHOOLS; *HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE SERVICE OCCUPATIONS, THIS GUIDE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP THE UNDERSTANDINGS AND ABILITIES REQUIRED TO GROW HIGH-QUALITY HORTICULTURAL PLANTS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SUBJECT MATTER AREAS ARE (1) ECONOMIC AND AESTHETIC VALUES OF FLOWER, FRUIT, AND VEGETABLE PLANTS, (2) PLANT GROWTH, (3) PLANT PARTS, (4) PLANT LIFE PROCESSES, (5) PLANT ENVIRONMENT CONTROL, (6) TRANSPLANTING, AND (7) CULTURAL PRACTICES. SUGGESTIONS ARE INCLUDED FOR INTRODUCTION OF THE MODULE, SPECIFIC UNIT OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND EVALUATIVE PROCEDURES. THIS MODULE IS SCHEDULED FOR 40 HOURS OF CLASS INSTRUCTION, 57 HOURS OF LABORATORY AND 70 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS WITH A BACKGROUND IN HORTICULTURE MAY USE IT TO PLAN A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WHO HAVE AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 624   ED 013 295
USING SOIL AND OTHER PLANT GROWING MEDIA EFFECTIVELY. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 5.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-200-017-5
PUB DATE -   AUG65   119P.

DESCRIPTORS - BIBLIOGRAPHIES; HIGH SCHOOLS; *HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *SOIL SCIENCE; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE SERVICE OCCUPATIONS, THIS MODULE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP THE APPRECIATIONS, UNDERSTANDINGS, AND ABILITIES NEEDED TO USE PLANT GROWING MEDIA IN GROWING HORTICULTURAL PLANTS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SUBJECT MATTER AREAS ARE (1) ORIGIN, COMPOSITION, AND IMPORTANCE OF SOIL, (2) SUITABILITY OF VARIOUS SOILS FOR PLANT GROWTH, (3) WATERING PRACTICES RELATED TO SOIL STRUCTURE, (4) RECOGNITION AND USE OF SOIL CONDITIONERS, (5) SOIL MULCH USE, (6) SOIL FERTILITY MAINTENANCE, (7) SOIL ORGANISMS, (8) SOIL EROSION CONTROL, AND (9) SOIL PREPARATION. SUGGESTIONS ARE INCLUDED FOR INTRODUCTION OF THE MODULE, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND EVALUATIVE CRITERIA. THE MODULE IS SCHEDULED FOR 35 HOURS OF CLASS INSTRUCTION, 70 HOURS OF LABORATORY AND 25 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS WITH A BACKGROUND IN HORTICULTURE MAY USE IT TO PLAN A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WITH AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 625   ED 013 296
RECOGNIZING AND CONTROLLING PLANT PESTS. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 6.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-600-017-6
PUB DATE -   AUG65   44P.

DESCRIPTORS - BIBLIOGRAPHIES; *ENTOMOLOGY; HIGH SCHOOLS; *ORNAMENTAL HORTICULTURE OCCUPATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURAL SERVICE OCCUPATIONS, THIS MODULE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP THE ABILITIES NECESSARY FOR THE EFFECTIVE CONTROL OF PLANT PESTS. IT WAS DEVELOPED ON THE BASIS OF DATA FROM STATE STUDIES BY A NATIONAL TASK FORCE. SUBJECT MATTER AREAS ARE NEED FOR PLANT PEST CONTROL, PLANT PEST SYMPTOMS IN HORTICULTURAL PLANTS, PLANT PEST IDENTIFICATION, AND PEST CONTROL MEASURES. SUGGESTIONS ARE INCLUDED FOR INTRODUCTION OF THE MODULE, SPECIFIC UNIT OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND EVALUATIVE CRITERIA. THE MODULE IS SCHEDULED FOR 14 HOURS OF CLASS INSTRUCTION, 41 HOURS OF LABORATORY AND 100 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS WITH A BACKGROUND IN HORTICULTURE MAY USE IT TO PLAN A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WHO HAVE AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO

43212. (JM)

VT 000 626 ED 013 297
CONSTRUCTING, MAINTAINING, AND USING PLANT GROWING STRUCTURES. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 7.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-731-017-7
PUB DATE - AUG65 25P.

DESCRIPTORS - BIBLIOGRAPHIES; HIGH SCHOOLS; *HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *PHYSICAL FACILITIES; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE SERVICE OCCUPATIONS, THIS MODULE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP THE ABILITIES NEEDED TO CONSTRUCT, MAINTAIN AND OPERATE PLANT GROWING STRUCTURES. IT WAS DEVELOPED ON THE BASIS OF DATA FROM STATE STUDIES BY A NATIONAL TASK FORCE. SUBJECT MATTER AREAS ARE (1) PLANT GROWING STRUCTURES AND EQUIPMENT IDENTIFICATION AND USE, (2) PLANT GROWING STRUCTURE CONSTRUCTION, (3) PAINT SELECTION AND APPLICATION, (4) GLAZING, AND (5) GREENHOUSE CROP GROWING. THE MODULE IS SCHEDULED FOR 21 HOURS OF CLASS INSTRUCTION, 102 HOURS OF LABORATORY, AND 50 HOURS OF OCCUPATIONAL EXPERIENCES. SUGGESTIONS ARE INCLUDED FOR INTRODUCTION OF THE MODULE, SPECIFIC UNIT OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND EVALUATIVE CRITERIA. TEACHERS WITH A BACKGROUND IN HORTICULTURE MAY USE THE MATERIAL TO PLAN A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WITH AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 627 ED 013 298
AGRICULTURAL SALESMANSHIP. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 8.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-904-017-8
PUB DATE - AUG65 26P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; HIGH SCHOOLS; *ORNAMENTAL HORTICULTURE OCCUPATION; *SALESMANSHIP; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE HIGH SCHOOL STUDENTS FOR EMPLOYMENT IN HORTICULTURE OCCUPATIONS, THIS MODULE AIMS TO DEVELOP STUDENT ABILITY TO MEET CUSTOMERS, PRESENT SUPPLIES AND SERVICES TO CUSTOMERS, OVERCOME RESISTANCE, AND CLOSE A SALE. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH IN STATE STUDIES. SUGGESTIONS ARE INCLUDED FOR INTRODUCING THE MODULE. FOR EACH COMPETENCY, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, REFERENCES, INSTRUCTIONAL MATERIALS, AND OCCUPATIONAL EXPERIENCES ARE SUGGESTED. THE TIME ALLOTMENT SUGGESTED IS 30 HOURS OF CLASS INSTRUCTION AND 36 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH HORTICULTURE, AND STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL IN HORTICULTURE. SUGGESTIONS ARE INCLUDED FOR EVALUATING OUTCOMES. THE SOURCES OF SUPPLEMENTAL MATERIALS ARE LISTED. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 628 ED 013 299
ESTABLISHING AND CARING FOR LAWNS AND TURF. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 9.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-273-017-9
PUB DATE - AUG65 26P.

DESCRIPTORS - BIBLIOGRAPHIES; HIGH SCHOOLS; *ORNAMENTAL HORTICULTURE OCCUPATION; *TEACHING GUIDES; *TURF MANAGEMENT; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE SERVICE OCCUPATIONS, THIS MODULE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP THE ABILITY TO ESTABLISH AND MAINTAIN LAWNS AND TURF. IT WAS DEVELOPED ON THE BASIS OF DATA FROM STATE STUDIES BY A NATIONAL TASK FORCE. SUBJECT MATTER AREAS ARE NEW LAWN ESTABLISHMENT, LAWN MAINTENANCE, AND POOR LAWN REPAIR OR RENOVATION. SUGGESTIONS ARE INCLUDED FOR INTRODUCTION OF THE MODULE, SPECIFIC UNIT OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND CRITERIA FOR STUDENT EVALUATION. THE MODULE IS SCHEDULED FOR 15 HOURS OF CLASS INSTRUCTION, 30 HOURS OF LABORATORY EXPERIENCE, AND 55 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS WITH A BACKGROUND IN HORTICULTURE MAY USE THIS GUIDE TO PREPARE A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WITH AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 629 ED 013 300
OPERATING, REPAIRING, AND MAINTAINING SMALL POWER EQUIPMENT. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 10.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-747-017-10
PUB DATE - AUG65 39P.

DESCRIPTORS - BIBLIOGRAPHIES; *ENGINES; *EQUIPMENT; HIGH SCHOOLS; MAINTENANCE; *ORNAMENTAL HORTICULTURE OCCUPATION; REPAIR; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE SERVICE OCCUPATIONS, THIS MODULE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP A PROFICIENCY IN THE OPERATION, MAINTENANCE, AND REPAIR OF SMALL POWER EQUIPMENT USED IN HORTICULTURAL ENTERPRISES. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SUBJECT MATTER AREAS ARE (1) SMALL GASOLINE ENGINE ADJUSTMENT, MAINTENANCE, AND REPAIR, (2) SMALL POWER EQUIPMENT MAINTENANCE, (3) LAWN MOWER OPERATION, (4) ROTARY TILLER OPERATION, (5) SOIL SHREDDER OPERATION, (6) AERIFIER OPERATION, (7) SOD CUTTER OPERATION, (8) GARDEN TRACTOR OPERATION, (9) PESTICIDE APPLICATOR OPERATION, AND (10) CHAIN SAW OPERATION. SUGGESTIONS ARE INCLUDED FOR INTRODUCTION OF THE MODULE, SPECIFIC UNIT OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND CRITERIA FOR STUDENT EVALUATION. THE MODULE IS SCHEDULED FOR 25 HOURS OF CLASS INSTRUCTION, 75 HOURS OF LABORATORY EXPERIENCE, AND 50 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS WITH A BACKGROUND IN HORTICULTURE MAY USE THIS GUIDE TO PREPARE UNITS FOR LESS ABLE HIGH SCHOOL STUDENTS WITH OCCUPATIONAL GOALS IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 630 ED 013 301
USING AND CARING FOR ORNAMENTAL PLANT MATERIALS AND LANDSCAPE STRUCTURES. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 11.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-200-017-11
PUB DATE - AUG65 65P.

DESCRIPTORS - BIBLIOGRAPHIES; HIGH SCHOOLS; LANDSCAPING; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *TEACHING GUIDES; *UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO PREPARE HIGH SCHOOL STUDENTS FOR HORTICULTURE-SERVICE OCCUPATIONS, THIS MODULE HAS AS ITS MAJOR OBJECTIVE TO DEVELOP THE ABILITIES NEEDED TO USE, CARE FOR, AND MAINTAIN ORNAMENTAL PLANT MATERIALS AND LANDSCAPE STRUCTURES. IT WAS DEVELOPED ON THE BASIS OF DATA FROM STATE STUDIES BY A NATIONAL TASK FORCE. SUBJECT MATTER AREAS ARE (1) PLANT WOUND TREATMENT, (2) WOODY PLANT SUPPORT, (3) SAFETY IN CLIMBING TREES, (4) POISONOUS PLANT RECOGNITION AND AVOIDANCE, (5) BASIC FIRST AID, (6) PHYSICAL FITNESS AND LABOR EFFICIENCY, (7) CONCRETE PREPARATION AND USE, (8) PAINT APPLICATORS AND PAINT, (9) FENCE CONSTRUCTION, AND (10) MASONRY CONSTRUCTION. SUGGESTIONS ARE INCLUDED FOR INTRODUCTION OF THE MODULE, SPECIFIC UNIT OBJECTIVES, SUBJECT MATTER CONTENT, INSTRUCTIONAL MATERIALS AND REFERENCES, AND EVALUATION CRITERIA. THE MODULE IS SCHEDULED FOR 45 HOURS OF CLASS INSTRUCTION, 116 HOURS OF LABORATORY EXPERIENCE, AND 60 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS WITH A BACKGROUND IN HORTICULTURE MAY USE THIS GUIDE IN PREPARING A UNIT FOR LESS ABLE HIGH SCHOOL STUDENTS WITH AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 631 ED 013 302
HUMAN RELATIONS IN AGRICULTURAL OCCUPATIONS. HORTICULTURE-SERVICE OCCUPATIONS, MODULE NO. 12.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
AGDEX-903-017-12
PUB DATE - AUG65 41P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; *COMMUNICATION (THOUGHT TRANSFER); HIGH SCHOOLS; *HUMAN RELATIONS; *ORNAMENTAL HORTICULTURE OCCUPATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE HIGH SCHOOL STUDENTS FOR THE HORTICULTURE OCCUPATIONS, THIS GUIDE AIMS TO DEVELOP IN THE STUDENT THE PERSONAL QUALITIES NECESSARY FOR ADVANCEMENT IN A BUSINESS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUBJECT MATTER INCLUDES EMPLOYMENT OPPORTUNITIES AND PERSONAL QUALITIES, COMMUNICATIONS, AND HUMAN RELATIONS PROBLEM SOLVING. TEACHING-LEARNING ACTIVITIES, OCCUPATIONAL EXPERIENCES, INSTRUCTIONAL MATERIAL, REFERENCES, AND EVALUATING EDUCATIONAL OUTCOMES ARE SUGGESTED. TEACHERS SHOULD HAVE EXPERIENCE AND STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL IN HORTICULTURE. SUGGESTED TIME ALLOTMENT IS 24 HOURS CLASS INSTRUCTION AND 12 HOURS OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 619 - 000 631) FOR $7.25 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 632 ED 015 232
BECKER, WILLIAM; LINTNER, J.H.
COURSE OUTLINE FOR AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 36P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; COOPERATIVE EDUCATION; *COURSES; HIGH SCHOOLS; INSTRUCTIONAL MATERIALS; *PROGRAM

DEVELOPMENT; *VOCATIONAL AGRICULTURE

ABSTRACT - TITLES OF MODULES, PURPOSES, TIME AND SUPPORTING EDUCATIONAL REQUIREMENTS, AND OPERATIONAL DETAILS OF A COURSE ARE GIVEN IN THIS PUBLICATION DESIGNED TO ASSIST STATE AND LOCAL VOCATIONAL EDUCATION LEADERS IN DEVELOPING PROGRAMS TO PREPARE HIGH SCHOOL STUDENTS FOR ENTRY AND ADVANCEMENT IN BUSINESSES WHICH SELL AGRICULTURAL SUPPLIES AND SERVICES TO FARMERS. UPON RECOMMENDATION OF A NATIONAL CONFERENCE, IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES AS PART OF A U.S. OFFICE OF EDUCATION FUNDED PROJECT. THE MODULES COVER (1) CAREER OPPORTUNITIES IN SALES, (2) ORIENTATION TO OCCUPATIONAL EXPERIENCE, (3) HUMAN RELATIONS, (4) SALESMANSHIP, (5) BUSINESS ORGANIZATION AND FUNCTIONS, (6) BUSINESS PROCEDURES, (7) FEED SALES AND SERVICE, (8) CROP, LAWN, AND GARDEN SEED SALES AND SERVICE, (9) FERTILIZER SALES AND SERVICE, (10) CHEMICAL SALES AND SERVICE, AND (11) MISCELLANEOUS SUPPLIES AND SMALL EQUIPMENT SALES AND SERVICE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 633 ED 015 233
CAREER OPPORTUNITIES IN AGRICULTURAL SALES AND SERVICE. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 1.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 19P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *CAREER OPPORTUNITIES; HIGH SCHOOLS; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES OF MODULES DEVELOPED TO ASSIST TEACHERS TO PREPARE HIGH SCHOOL STUDENTS FOR AGRICULTURAL SUPPLY OCCUPATIONS, THIS GUIDE IS SPECIFICALLY FOR THE PURPOSE OF ORIENTING STUDENTS TO THE CAREER OPPORTUNITIES IN AGRICULTURAL SUPPLY. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. THE FOUR SECTIONS ARE (1) OPPORTUNITIES FOR EMPLOYMENT, (2) SPECIFIC OCCUPATIONS, (3) REQUIREMENTS FOR EMPLOYMENT AND ADVANCEMENT, AND (4) IDENTIFICATION OF PRODUCTS HANDLED IN AGRICULTURAL SUPPLY BUSINESSES. ACTIVITIES FOR INTRODUCING THE MODULE, MEANS OF EVALUATING OUTCOMES, INSTRUCTIONAL MATERIALS, AND REFERENCES ARE SUGGESTED. EACH SECTION INCLUDES SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES. DESIGNED FOR 10 HOURS OF CLASS INSTRUCTION AND 10 HOURS OF OCCUPATIONAL EXPERIENCE, THE MATERIAL MAY BE USED BY TEACHERS EXPERIENCED IN AGRICULTURAL SUPPLY WITH STUDENTS INTERESTED IN ENTERING SUPPLY OCCUPATIONS. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 634 ED 015 234
ORIENTATION TO THE SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 2.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 22P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *COOPERATIVE EDUCATION; HIGH SCHOOLS; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS FOR THE AGRICULTURAL SUPPLY OCCUPATIONS BY ORIENTING THEM TO THE SUPERVISED OCCUPATIONAL EXPERIENCE PHASE OF THE COURSE. IT IS ONE OF A SERIES OF MODULES COMPRISING A COURSE DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. OBJECTIVES OF THIS MODULE ARE TO DEVELOP UNDERSTANDING OF THE PURPOSE OF THE EXPERIENCE PROGRAM, AND TO DEVELOP WHOLESOME ATTITUDES TOWARD THE EXPERIENCE PROGRAM. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES FOR EACH OBJECTIVE ARE SUGGESTED. TEACHERS SHOULD HAVE A BACKGROUND IN AGRICULTURAL SUPPLY. TIME REQUIRED FOR THIS MODULE IS 5 HOURS. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 635 ED 015 235
HUMAN RELATIONS IN AGRICULTURAL OCCUPATIONS. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 3.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 39P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *COMMUNICATION (THOUGHT TRANSFER); HIGH SCHOOLS; *HUMAN RELATIONS; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE HIGH SCHOOL STUDENTS FOR THE AGRICULTURAL SUPPLY OCCUPATIONS, THIS GUIDE AIMS TO DEVELOP IN THE STUDENT THE PERSONAL QUALITIES NECESSARY FOR ADVANCEMENT IN A BUSINESS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH FROM STATE STUDIES. SUBJECT MATTER INCLUDES EMPLOYMENT OPPORTUNITIES AND PERSONAL QUALITIES, COMMUNICATIONS, AND HUMAN RELATIONS PROBLEM SOLVING. TEACHING-LEARNING ACTIVITIES, OCCUPATIONAL EXPERIENCES, INSTRUCTIONAL MATERIAL, REFERENCES, AND EVALUATING EDUCATIONAL OUTCOMES ARE SUGGESTED. TEACHERS

SHOULD HAVE EXPERIENCE IN AGRICULTURAL SUPPLY. STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL IN AGRICULTURAL SUPPLY. SUGGESTED TIME ALLOTMENT IS 24 HOURS CLASS INSTRUCTION AND 12 HOUR OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632-000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM).

VT 000 636 ED 015 236
AGRICULTURAL SALESMANSHIP. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 4.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 24P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; HIGH SCHOOLS; *SALESMANSHIP; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO HELP TEACHERS PREPARE HIGH SCHOOL STUDENTS FOR EMPLOYMENT IN AGRICULTURAL SUPPLY OCCUPATIONS, THIS MODULE AIMS TO DEVELOP STUDENT ABILITY TO MEET CUSTOMERS, PRESENT SUPPLIES AND SERVICES TO CUSTOMERS, OVERCOME RESISTANCE, AND CLOSE A SALE. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF RESEARCH IN STATE STUDIES. SUGGESTIONS ARE INCLUDED FOR INTRODUCING THE MODULE. FOR EACH COMPETENCY, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, REFERENCES, INSTRUCTIONAL MATERIALS, AND OCCUPATIONAL EXPERIENCES ARE SUGGESTED. THE TIME ALLOTMENT SUGGESTED IS 30 HOURS OF CLASS INSTRUCTION AND 36 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE EXPERIENCE WITH AGRICULTURAL SUPPLY, AND STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL IN AGRICULTURAL SUPPLY. SUGGESTIONS ARE INCLUDED FOR EVALUATING OUTCOMES. THE SOURCES OF SUPPLEMENTAL MATERIALS ARE LISTED. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 637 ED 015 237
ORGANIZATIONS AND FUNCTIONS OF AGRICULTURAL BUSINESSES. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 5.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 28P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *BUSINESS; HIGH SCHOOLS; *ORGANIZATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES DESIGNED TO ASSIST TEACHERS TO PREPARE HIGH SCHOOL STUDENTS FOR AGRICULTURAL SUPPLY OCCUPATIONS, THIS MODULE AIMS TO DEVELOP STUDENT UNDERSTANDING OF THE FUNCTIONS AND ORGANIZATIONAL PATTERNS OF AGRICULTURAL SUPPLY BUSINESSES. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF STATE STUDY DATA. UNITS ARE IMPORTANCE OF BUSINESS TO THE COMMUNITY, FUNCTIONS OF AN AGRICULTURAL SUPPLY BUSINESS, TYPES OF AGRICULTURAL SUPPLY BUSINESSES, AND ORGANIZATIONAL PATTERNS OF AGRICULTURAL SUPPLY BUSINESSES. MEANS OF INTRODUCING AND EVALUATING OUTCOMES, AND SOURCES OF INSTRUCTIONAL MATERIAL ARE SUGGESTED. EACH SECTION INCLUDES SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS, AND REFERENCES. IT IS DESIGNED FOR 12 HOURS OF CLASS INSTRUCTION AND 6 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE AN AGRICULTURAL SUPPLY BACKGROUND AND STUDENTS AN OCCUPATIONAL GOAL IN THE FIELD. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 638 ED 015 238
BUSINESS PROCEDURES. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 6.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 36P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *BUSINESS SKILLS; HIGH SCHOOLS; MERCHANDISING; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS MODULE, ONE OF A SERIES DEVELOPED TO ASSIST TEACHERS TO TRAIN HIGH SCHOOL STUDENTS FOR AGRICULTURAL SUPPLY OCCUPATIONS, IS TO DEVELOP ABILITY TO USE COMMON AGRICULTURAL BUSINESS PROCEDURES. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SECTIONS ARE (1) RECORDS IN BUSINESS, (2) SALES TICKETS AND CHANGE MAKING, (3) CREDIT IN BUSINESS, (4) DETERMINING SELLING PRICE, (5) BUSINESS FORMS FOR ORDERING AND RECEIVING, (6) TAKING INVENTORY OF STOCK, (7) RECEIVING AND STORING MERCHANDISE, AND (8) STOCK CONTROL POLICIES. EACH SECTION CONTAINS SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIAL, AND REFERENCES. SUGGESTIONS FOR INTRODUCING THE MODULE AND EVALUATING OUTCOMES ARE INCLUDED. TEACHERS WITH A BACKGROUND IN AGRICULTURAL SUPPLY MAY USE THE MATERIAL TO PLAN A UNIT FOR HIGH SCHOOL STUDENTS PLANNING TO ENTER THE FIELD. IT IS DESIGNED FOR 30 HOURS OF CLASSROOM INSTRUCTION AND 30 HOURS OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 639 ED 015 239
FEEDS SALES AND SERVICE. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE

NUMBER 7.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 46P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *FEED STORES; HIGH SCHOOLS; *MERCHANDISING; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - ONE OF A SERIES OF MODULES DESIGNED TO ASSIST TEACHERS IN PREPARING HIGH SCHOOL STUDENTS FOR AGRICULTURAL SUPPLY OCCUPATIONS, THIS GUIDE IS CONCERNED WITH UNDERSTANDINGS AND ABILITIES NEEDED IN THE RETAIL FEED BUSINESS. IT WAS DESIGNED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SECTIONS ARE (1) ECONOMICS OF LIVESTOCK FEEDING, (2) ANIMAL NUTRITION, (3) LIVESTOCK FEEDS AND THEIR VALUES, (4) REGULATIONS IN FORMULATING, LABELING, AND USING FEEDS, (5) GRAIN RATION FORMULATION, (6) FEED PREPARATION, AND (7) FEED MERCHANDISING METHODS AND TRENDS. DESIGNED FOR 36 HOURS OF CLASS INSTRUCTION, 12 HOURS OF LABORATORY EXPERIENCE, AND 48 HOURS OF OCCUPATIONAL EXPERIENCE, THE MATERIAL IS APPROPRIATE FOR USE BY TEACHERS WITH A BACKGROUND IN AGRICULTURAL SUPPLY AND STUDENTS WITH AN OCCUPATIONAL GOAL IN THAT FIELD. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 640 ED 015 240

CROP, LAWN, AND GARDEN SEEDS SALES AND SERVICE. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 8.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 78P.

DESCRIPTORS - *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; HIGH SCHOOLS; MERCHANDISING; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN PREPARING HIGH SCHOOL STUDENTS FOR AGRICULTURAL SUPPLY OCCUPATIONS. ONE OF A SERIES, THIS MODULE WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. THE SPECIFIC OBJECTIVE IS TO DEVELOP UNDERSTANDING AND ABILITY NEEDED TO ENTER AND ADVANCE IN RETAIL FARM AND GARDEN SEED, PLANT, AND SUPPLY BUSINESSES. SECTIONS ARE (1) PRODUCT KNOWLEDGE, (2) PLANT MATERIALS, (3) PLANT MATERIAL PRODUCTION FACTORS, (4) VARIETAL NAMES AND CHARACTERISTICS, (5) TAG AND LABEL INTERPRETATION, (6) CUSTOMER SERVICES, (7) PRODUCT COMPARISON, (8) CATALOG INFORMATION, (9) BEAUTIFICATION AND PRODUCTION COSTS AND EXPECTATIONS, AND (10) CUSTOMER ASSISTANCE. SUGGESTIONS FOR INTRODUCING THE MODULE AND EVALUATING EDUCATIONAL OUTCOMES, AND SOURCES OF INSTRUCTIONAL MATERIAL ARE GIVEN. EACH SECTION INCLUDES SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, AND INSTRUCTIONAL AIDS AND REFERENCES. THE MODULE IS DESIGNED FOR 35 HOURS OF CLASS INSTRUCTION, 35 HOURS OF LABORATORY EXPERIENCE, AND 70 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE A BACKGROUND IN AGRICULTURAL SUPPLY AND STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL IN THE FIELD. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 641 ED 015 241

FERTILIZERS SALES AND SERVICE. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 9.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 92P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *FERTILIZERS; HIGH SCHOOLS; MERCHANDISING; POST SECONDARY EDUCATION; SOIL SCIENCE; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING HIGH SCHOOL AND POST-HIGH SCHOOL STUDENTS FOR AGRICULTURAL SUPPLY OCCUPATIONS. ONE OF A SERIES, THIS MODULE WAS DEVELOPED ON THE BASIS OF STATE STUDIES BY A NATIONAL TASK FORCE. THE SPECIFIC OBJECTIVE IS TO PREPARE STUDENTS FOR ENTRY AND ADVANCEMENT IN FERTILIZER SALES AND SERVICE. SECTIONS ARE (1) ECONOMICS OF FERTILIZER USE, (2) PLANT NUTRITION, (3) SOIL PROPERTIES, (4) FERTILIZER CHARACTERISTICS, (5) FERTILIZER FORMULA INTERPRETATION, (6) SOIL SAMPLING AND FERTILITY NEEDS, (7) SOIL TEST INTERPRETATION, (8) FERTILIZER RECOMMENDATIONS, (9) FERTILIZER MANUFACTURING PRINCIPLES, (10) CUSTOMER SERVICE, (11) FERTILIZER MERCHANDISING, AND (12) FERTILIZER INDUSTRY TRENDS. INTRODUCTION AND EVALUATION TECHNIQUES AND SOURCES OF INSTRUCTIONAL MATERIALS ARE SUGGESTED. EACH SECTION INCLUDES SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL AIDS, AND REFERENCE SUGGESTIONS. TEACHERS SHOULD HAVE A BACKGROUND IN AGRICULTURAL SUPPLY AND STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL IN THE FIELD. THE MODULE IS DESIGNED FOR 24 HOURS OF CLASS INSTRUCTION, 26 HOURS OF LABORATORY EXPERIENCE, AND 50 HOURS OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 642 ED 015 242

AGRICULTURAL CHEMICALS SALES AND SERVICE. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 10.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 67P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; ENTOMOLOGY; HIGH SCHOOLS; MERCHANDISE INFORMATION; MERCHANDISING; *PESTICIDES; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING HIGH SCHOOL OR POST-SECONDARY STUDENTS FOR EMPLOYMENT IN AGRICULTURAL CHEMICAL SALES AND SERVICE. ONE OF A SERIES OF MODULES FOR AGRICULTURAL SUPPLY OCCUPATIONS, IT WAS DEVELOPED ON THE BASIS OF DATA FROM STATE STUDIES BY A NATIONAL TASK FORCE. APPLICABLE TO TWO LEVELS OF INSTRUCTION, THE MODULE INCLUDES SECTIONS ON (1) CHEMICALS IN AGRICULTURE, (2) PEST IDENTIFICATION, (3) PESTICIDE RECOMMENDATION RESPONSIBILITY, (4) PESTICIDE APPLICATION RECOMMENDATIONS, (5) CUSTOMER ADVICE ON CHEMICAL SAFETY, (6) LABEL AND LITERATURE INTERPRETATION, AND (7) CHEMICAL MERCHANDISING METHODS. SUGGESTIONS FOR INTRODUCING THE MODULE AND EVALUATING THE EDUCATIONAL OUTCOMES, AND SOURCES OF INSTRUCTIONAL MATERIALS ARE GIVEN. EACH SECTION INCLUDES SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL AIDS, AND REFERENCES. THE MODULE IS DESIGNED FOR 30 HOURS OF CLASS INSTRUCTION, 6 HOURS OF LABORATORY EXPERIENCE, AND 72 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS NEED A BACKGROUND AND STUDENTS AN OCCUPATIONAL GOAL IN THE FIELD. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 643 ED 015 243
PETROLEUM AND PETROLEUM PRODUCTS SALES AND SERVICE. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 11.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 107P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *FUELS; HIGH SCHOOLS; *LUBRICANTS; MERCHANDISING; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING HIGH SCHOOL AND POST-HIGH SCHOOL STUDENTS FOR ENTRY AND ADVANCEMENT IN THE PETROLEUM PHASE OF AGRICULTURAL SUPPLY OCCUPATIONS. ONE OF A SERIES FOR AGRICULTURAL SUPPLY OCCUPATIONS, THIS MODULE WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SECTIONS ARE (1) FUEL SELECTION, (2) FUEL STORAGE, (3) MOTOR LUBRICATING OIL SELECTION, (4) GEAR, HYDRAULIC, AND LUBRICATING OILS AND GREASES, (5) HEATING OIL SELECTION, DELIVERY, AND STORAGE, (6) OTHER PRODUCTS, (7) CONTRACTUAL RELATIONSHIPS, (8) SAFETY, AND (9) TRUCK DRIVING. SUGGESTIONS FOR INTRODUCING THE MODULE AND EVALUATING THE EDUCATIONAL OUTCOMES, AND SOURCES OF INSTRUCTIONAL MATERIAL ARE GIVEN. EACH SECTION INCLUDES SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, AND INSTRUCTIONAL AIDS AND REFERENCES. TEACHERS SHOULD HAVE EXPERIENCE IN AGRICULTURAL SUPPLY, AND STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL IN THE FIELD. THE MATERIAL IS DESIGNED FOR 38 HOURS OF CLASS INSTRUCTION, 10 HOURS OF LABORATORY EXPERIENCE, AND 40 HOURS OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 644 ED 015 244
MISCELLANEOUS AGRICULTURAL SUPPLIES AND SMALL EQUIPMENT SALES AND SERVICE. AGRICULTURAL SUPPLY - SALES AND SERVICE OCCUPATIONS, MODULE NUMBER 12.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - AUG65 36P.

DESCRIPTORS - *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; BIBLIOGRAPHIES; *EQUIPMENT; HIGH SCHOOLS; MERCHANDISING; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PLANNING A UNIT ON THE SALE AND SERVICE OF MISCELLANEOUS EQUIPMENT AND SUPPLIES FOR HIGH SCHOOL STUDENTS PREPARING FOR AGRICULTURAL SUPPLY OCCUPATIONS. ONE OF A SERIES OF MODULES IN AGRICULTURAL SUPPLY, IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF STATE STUDIES. SECTIONS ARE (1) RANGE OF SUPPLIES AND EQUIPMENT CARRIED BY AGRICULTURAL SUPPLY BUSINESSES, (2) SPECIFIC CHARACTERISTICS OF SELECTED MISCELLANEOUS EQUIPMENT AND SUPPLIES, AND (3) SERVICES PROVIDED WITH MISCELLANEOUS EQUIPMENT AND SUPPLIES. SUGGESTIONS FOR INTRODUCING THE MODULE AND EVALUATING EDUCATIONAL OUTCOMES AND SOURCES OF INSTRUCTIONAL MATERIALS ARE GIVEN. EACH SECTION CONTAINS SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, AND INSTRUCTIONAL AIDS AND REFERENCES. TEACHERS SHOULD HAVE A BACKGROUND AND STUDENTS AN OCCUPATIONAL GOAL IN AGRICULTURAL SUPPLY. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD AS PART OF A SET (VT 000 632 - 000 644) FOR $7.00 FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 000 659
A GUIDE FOR THE PREPARATION OF OBJECTIVE-TYPE TEST QUESTIONS FOR EXAMINATIONS IN AGRICULTURE.

NEW YORK STATE EDUCATION DEPT., ALBANY
PUB DATE - 65 18P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEST CONSTRUCTION; TESTING PROBLEMS; QUESTIONING TECHNIQUES; ACHIEVEMENT TESTS; GROUP TESTS

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN DEVELOPING OBJECTIVE-TYPE TEST QUESTIONS THAT MEASURE IMPORTANT GOALS IN AGRICULTURAL COURSES. SECTIONS INCLUDE (1) THE QUESTION, (2) CLASSIFICATION OF THE QUESTION, (3) DIFFICULTY LEVEL, (4) ITEM CONSTRUCTION, (5) THE PROBLEM, (6) COMMON TECHNICAL ERRORS, (7) GROUP QUESTIONS, AND (8) GENERAL PRECAUTIONS. EXAMPLES ILLUSTRATE APPROPRIATE ITEM CONSTRUCTION AND COMMON ERRORS. (JM)

VT 000 676
BEEMAN, CARL E.
A REFERENCE UNIT ON SOYBEANS .

MISSISSIPPI STATE UNIV., STATE COLLEGE
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
PUB DATE - AUG66 129P.

DESCRIPTORS - *RESOURCE MATERIALS; *TEXTBOOKS; *VOCATIONAL AGRICULTURE; *AGRONOMY; *SOYBEANS (FIELD CROP); HIGH SCHOOLS; UNITS OF STUDY (SUBJECT FIELDS); ADULT FARMER EDUCATION

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHER EDUCATORS THROUGH A COMPILATION OF RESEARCH AND OTHER PUBLICATIONS, THIS HIGH SCHOOL AND ADULT FARMER REFERENCE IS FOR STUDENTS STUDYING A CLUSTER OF AGRICULTURAL OCCUPATIONS IN THE SOUTHEAST UNITED STATES. THE CONTENT INCLUDES: (1) ECONOMIC VALUE OF SOYBEANS, (2) PLANNING PRODUCTION, (3) VARIETY AND SEED SELECTION, (4) SEEDBED PREPARATION, (5) INNOCULATING AND TREATING SEED, (6) PLANTING AND CONTROLLING INSECTS, (12) HARVESTING AND STORING, AND (13) MARKETING. THE TEACHER FOR THIS UNIT OF STUDY SHOULD BE A TEACHER EDUCATION GRADUATE IN AGRICULTURE AND STUDENTS SHOULD DESIRE IMPROVEMENT OF THEIR AGRICULTURAL KNOWLEDGE AND SKILLS. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS AND TABLES AND CONTAINS A REFERENCE LIST. (DM)

VT 000 687
BIOLOGICAL PRINCIPLES IN AGRICULTURE, A MANUAL FOR HIGH SCHOOL AGRICULTURE TEACHERS INTEGRATING BIOLOGICAL PRINCIPLES WITH INSTRUCTION IN AGRICULTURE.

CALIFORNIA UNIV., DAVIS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
PUB DATE - AUG63 143P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *BIOLOGICAL SCIENCES; PLANT SCIENCE; ANIMAL SCIENCE; *TEACHING METHODS; SECONDARY GRADES; INDUCTIVE METHODS
IDENTIFIERS - *PRINCIPLES APPROACH

ABSTRACT - DEVELOPED UNDER THE DIRECTION OF TWO COORDINATORS BY THREE RESEARCHERS, THIS GUIDE WAS CRITICALLY REVIEWED BY 27 SPECIALISTS IN AGRICULTURE AND SCIENCE, EVALUATED BY 22 EDUCATORS, EXPERIMENTALLY TAUGHT BY EIGHT TEACHERS IN SEVEN CALIFORNIA HIGH SCHOOLS, AND FURTHER TESTED BY 15 CALIFORNIA AND 14 OHIO TEACHERS. IT EMPHASIZES THE INDUCTIVE APPROACH IN TEACHING 22 BIOLOGICAL PRINCIPLES APPLICABLE TO AGRICULTURE. THE APPROACH IS EXPLAINED IN THE INTRODUCTION, AND DEFINITIONS ARE SUPPLIED FOR PRINCIPLE, LAW, RULE, FACT, AND CONCEPT. EACH PRINCIPLE IS STATED AND DEFINED. APPLICATIONS TO AGRICULTURE, SUGGESTED PROBLEMS, DEMONSTRATIONS, AND EXPERIMENTS, IMPORTANT FACTS, AND SPECIAL REFERENCES ARE CITED FOR EACH PRINCIPLE. THE TEACHER IS CAUTIONED TO MOVE FROM THE CONCRETE TO THE ABSTRACT, FROM THE APPLICATION TO THE PRINCIPLE, ALWAYS LETTING THE STUDENTS DISCOVER THE PRINCIPLE BY OBSERVATION. (JM)

VT 000 694
GRAY, AVERY, ED; STROUSE, JOHN, ED.
HOOSIER VOCATIONAL HORTICULTURE. COURSE IN NURSERY OPERATIONS .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS CENTER, INDUSTRIAL EDUCATION DEPARTMENT, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.75).
PUB DATE - OCT67 56P.

DESCRIPTORS - *TEACHING GUIDES; *PLANT SCIENCE; *VOCATIONAL AGRICULTURE; *NURSERY WORKERS (HORTICULTURE); *NURSERIES (HORTICULTURE); MANAGEMENT EDUCATION; ORNAMENTAL HORTICULTURE; MARKETING; HARVESTING; PLANTING; BUSINESS SKILLS; PLANT PROPAGATION; SECONDARY GRADES

ABSTRACT - DEVELOPED BY A GROUP OF HIGH SCHOOL VOCATIONAL TEACHERS FOR USE WITH HIGH SCHOOL STUDENTS, THIS TEACHING GUIDE IS INTENDED TO PREPARE WORKERS FOR HORTICULTURE PRODUCTION, MAINTENANCE, AND SERVICE OCCUPATIONS. THIS UNIT CONTAINS SELECTED MODULES WHICH MAY BE EXTRACTED AND INCLUDED IN THE VOCATIONAL AGRICULTURE CURRICULUM OR USED AS A PACKET IN TEACHING NURSERY OPERATIONS. THE TEACHING MODULES ARE: (1) NURSERY BUSINESS OPERATION, (2) PROPAGATION OF NURSERY STOCK, (3) HARVESTING, PACKING, AND MARKETING NURSERY STOCK, AND (4) PLANTING AND GROWING NURSERY STOCK. EACH MODULE CONTAINS THE MAJOR TEACHING OBJECTIVE, SUGGESTED TIME ALLOTMENT, SUGGESTED OCCUPATIONAL EXPERIENCES, LESSON TITLES, LESSON OBJECTIVES, DISCUSSION QUESTIONS, REFERENCES AND SPECIAL LEARNING ACTIVITIES. TEACHERS SHOULD BE COMPETENT IN VOCATIONAL AGRICULTURE, BOTANY, OR HORTICULTURE. SUPPLEMENTARY MATERIAL, SUCH AS SLIDES, TRANSPARENCIES AND TRADE MAGAZINES ARE NECESSARY FOR USE WITH THIS UNIT. (DM)

VT 000 797
DAUGHERTY, R. GENE, AND OTHERS
BEEF MARKETING, A STUDENT HANDBOOK . TEACHER EDUCATION SERIES, VOLUME 6, NUMBER 5.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.

DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA STATE DEPT. OF PUBLIC
INSTRUCTION, HARRISBURG
PENNSYLVANIA YOUNG FARMERS ASSOCIATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101
AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA
STATE UNIVERSITY, UNIVERSITY PARK,
PENNSYLVANIA 16802 ($1.00).
PUB DATE - 65 69P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *LIVESTOCK; *MARKETING; HIGH SCHOOLS; ADULT FARMER EDUCATION

ABSTRACT - TECHNICAL INFORMATION NEEDED IN BEEF CATTLE MARKETING IS PRESENTED IN THIS HANDBOOK FOR USE BY HIGH SCHOOL STUDENTS AND ADULTS AS TEXT OR REFERENCE MATERIAL. IT WAS DEVELOPED BY AN INDIVIDUAL AUTHOR WITH ASSISTANCE FROM TEACHER EDUCATORS, SUBJECT-MATTER SPECIALISTS, AND VOCATIONAL AGRICULTURE TEACHERS. MAJOR PROBLEM AREAS ARE (1) WHERE TO MARKET WHICH INCLUDES TERMINAL MARKETS, AUCTION MARKETS, AT-THE-FARM MARKETS, MARKETING COOPERATIVES, FEDERAL LAWS REGULATING LIVESTOCK MARKETS, AND LIVESTOCK MARKET SELECTION, (2) WHEN TO BUY WHICH INCLUDES MARKET, OUTLOOK, AND GENERAL INFORMATION, (3) WHAT TO BUY WHICH INCLUDES NATURE OF MARKETS, TIME AVAILABLE TO FINISH CATTLE, AND INITIAL COST OF CATTLE, AND (4) WHEN TO SELL WHICH INCLUDES FACTORS AFFECTING DECISION TO SELL, AND TRANSIT SHRINKAGE OF CATTLE. TEACHERS WITH A BACKGROUND IN PRODUCTION AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS WHO HAVE INTEREST AND OCCUPATIONAL OBJECTIVES IN THE MARKETING PHASE OF THE BEEF CATTLE INDUSTRY. BEEF MARKETING DATA ARE PRESENTED IN PICTORIAL AND GRAPHIC FORM. THE APPENDIX LISTS BEEF CATTLE TRADE TERMS AND DEFINITIONS. NECESSARY SUPPLEMENTAL MATERIAL IS "BEEF MARKETING, A TEACHER'S UNIT PLAN" (VT 000 798). (WB)

VT 000 798
DAUGHERTY, R. GENE, AND OTHERS
BEEF MARKETING, A TEACHER'S UNIT PLAN .
TEACHER EDUCATION SERIES, VOLUME 6, NUMBER 4.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA STATE DEPT. OF PUBLIC
INSTRUCTION, HARRISBURG
PENNSYLVANIA YOUNG FARMERS ASSOCIATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101
AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA
STATE UNIVERSITY, UNIVERSITY PARK,
PENNSYLVANIA 16802 ($0.40).
PUB DATE - 65 26P.

DESCRIPTORS - *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *LIVESTOCK; *MARKETING; ADULT FARMER EDUCATION; HIGH SCHOOLS

ABSTRACT - FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN LESSON PLANNING, THIS GUIDE WAS DEVELOPED BY A VOCATIONAL AGRICULTURE TEACHER AND A TEACHER EDUCATOR AND PILOT TESTED IN THE LANCASTER COUNTY, PENNSYLVANIA, SCHOOLS. MAJOR PROBLEM AREAS ARE (1) WHERE TO MARKET, (2) WHEN TO BUY, (3) WHAT TO BUY, AND (4) WHEN TO SELL. EACH CONTAINS INTRODUCTORY INFORMATION, STUDENT LEARNING OBJECTIVES, ADVANCE TEACHER PREPARATION, AND STUDENT LEARNING ACTIVITIES. TEACHERS WITH COMPETENCIES IN PRODUCTION AGRICULTURE MAY USE THIS MATERIAL WITH ADVANCED HIGH SCHOOL AND ADULT STUDENTS WITH OCCUPATIONAL OBJECTIVES IN THE MARKETING PHASE OF THE BEEF CATTLE INDUSTRY. REFERENCES, AUDIOVISUAL AIDS, A BEEF MARKETING EXAMINATION, AND EXAMINATION ANSWERS ARE INCLUDED. NECESSARY SUPPLEMENTAL MATERIAL IS "BEEF MARKETING, A STUDENT HANDBOOK" (VT 000 797). (WB)

VT 000 799
BROWN, WILLIAM J.; LOVE, GENE M.
DAIRY CATTLE NUTRITION, A TEACHER'S UNIT
PLAN . TEACHER EDUCATION SER-6-NO-2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA YOUNG FARMERS ASSOCIATION
PENNSYLVANIA STATE DEPT. OF PUBLIC
INSTRUCTION, HARRISBURG
DEPARTMENT OF AGRICULTURAL EDUCATION, 101
AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA
STATE UNIVERSITY, UNIVERSITY PARK,
PENNSYLVANIA 16802 ($.40).
PUB DATE - 65 45P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *CATTLE; *NUTRITION; HIGH SCHOOLS; ADULT FARMER EDUCATION

ABSTRACT - TECHNICAL INFORMATION NEEDED IN DAIRY CATTLE NUTRITION IS PRESENTED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS AS TEXT OR REFERENCE MATERIAL IN LESSON PLANNING. IT WAS DEVELOPED BY TEACHER EDUCATORS WITH THE ASSISTANCE OF SUBJECT-MATTER SPECIALISTS AND FIELD TESTED BY VOCATIONAL AGRICULTURE TEACHERS. THE UNITS ARE (1) CLASSIFYING FEEDS, (2) UNDERSTANDING DIGESTION AND FEED UTILIZATION, (3) EVALUATING FORAGES AND FORMULATING FEED RATIONS, AND (4) FEEDING DAIRY CATTLE. THE CURRENT SITUATION, OBJECTIVES, TEACHER PREPARATION, STUDENT LEARNING ACTIVITIES, REFERENCES, AND INSTRUCTIONAL AIDS ARE RECOMMENDED FOR EACH UNIT. TEACHERS WITH A BACKGROUND IN AGRICULTURE PRODUCTION MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE HIGH SCHOOL STUDENTS AND ADULT FARMERS WHO HAVE OCCUPATIONAL OBJECTIVES IN DAIRYING. A DAIRY CATTLE NUTRITION EXAMINATION, ANSWER SHEET, AND SUGGESTED LIST OF TEACHING-LEARNING RESOURCES ARE INCLUDED. A NECESSARY SUPPLEMENTAL MEDIUM IS "DAIRY CATTLE NUTRITION--A STUDENT HANDBOOK" AVAILABLE AS VT 000 802. (WB)

VT 000 800
LOVE, GENE M., AND OTHERS
QUALITY MILK PRODUCTION, A TEACHER'S UNIT
PLAN . TEACHER EDUCATION SER-6-NO-1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA YOUNG FARMERS ASSOCIATION
PENNSYLVANIA GUERNSEY BREEDERS ASSOCIATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101
AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA
STATE UNIVERSITY, UNIVERSITY PARK,
PENNSYLVANIA 16802 ($.40).

PUB DATE - 64 25P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *MILK; FARM MANAGEMENT; HIGH SCHOOLS; ADULT FARMER EDUCATION

ABSTRACT - INFORMATION NEEDED IN THE PRODUCTION OF QUALITY MILK IS PRESENTED IN THIS HANDBOOK FOR USE BY VOCATIONAL AGRICULTURE TEACHERS WITH HIGH SCHOOL OR ADULT CLASSES. IT WAS PREPARED BY TEACHER EDUCATORS WITH THE TECHNICAL ASSISTANCE OF SUBJECT-MATTER SPECIALISTS AND VOCATIONAL AGRICULTURE TEACHERS. "PROBLEM AREA" UNITS ARE (1) MILK SECRETION, (2) MILK QUALITY TESTS, (3) EQUIPMENT SANITATION, (4) MILKING MANAGEMENT, (5) HERD HEALTH, AND (6) DAIRY FARM FACILITY MANAGEMENT. EACH UNIT INCLUDES A DISCUSSION OF THE CURRENT COMMUNITY SITUATION, STUDENT LEARNING OBJECTIVES, ADVANCE TEACHER PREPARATION, AND STUDENT LEARNING ACTIVITIES. A 10-ITEM QUIZ, A 60-MINUTE EXAMINATION, AND ANSWER SHEETS ARE INCLUDED. PUBLICATIONS, INSTRUCTIONAL AIDS, EQUIPMENT, AND RESOURCE PEOPLE ARE SUGGESTED. (WB)

VT 000 801
LOVE, GENE M., AND OTHERS
QUALITY MILK PRODUCTION . TEACHER EDUCATION SERIES, VOLUME 5, NUMBER 2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.00).
PUB DATE - 64 86P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *DAIRYMEN; *MILK; *AGRICULTURAL PRODUCTION; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE PRODUCTION OF QUALITY MILK IS PRESENTED IN THIS STUDENT HANDBOOK FOR USE BY UPPER HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL. IT WAS DEVELOPED BY TEACHER EDUCATORS, SUBJECT-MATTER SPECIALISTS, AND VOCATIONAL AGRICULTURE TEACHERS. MAJOR SECTIONS ARE (1) MILK SECRETION, (2) TESTS FOR MILK QUALITY, (3) SANITATION OF MILK EQUIPMENT, (4) MANAGED MILKING, (5) HERD HEALTH, AND (6) BARN AND MILK HOUSE MANAGEMENT. AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH STUDENTS WHO HAVE AN OCCUPATIONAL INTEREST IN PRODUCTION AGRICULTURE. A LIST OF REFERENCES AND MILK DATA ARE INCLUDED IN PICTORIAL AND TABULAR FORM. NECESSARY FOR TEACHER USE, "QUALITY MILK PRODUCTION--A TEACHER'S UNIT PLAN" IS AVAILABLE AS VT 000 800. (WB)

VT 000 802
BROWN, WILLIAM J., JR.; LOVE, GENE M.
DAIRY CATTLE NUTRITION, A STUDENT HANDBOOK . TEACHER EDUCATION SER-6-NO-3.

PENNSYLVANIA YOUNG FARMERS ASSOCIATION
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG
PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.00).
PUB DATE - 65 70P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; *NUTRITION; *CATTLE; ADULT FARMER EDUCATION

ABSTRACT - TECHNICAL INFORMATION NEEDED IN DAIRY CATTLE NUTRITION IS PRESENTED IN THIS HANDBOOK FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND ADULTS AS TEXT OR REFERENCE MATERIAL. IT WAS DEVELOPED BY TEACHER EDUCATORS WITH THE ASSISTANCE OF SUBJECT-MATTER SPECIALISTS AND FIELD TESTED BY VOCATIONAL AGRICULTURE TEACHERS. MAJOR UNITS ARE (1) CLASSIFYING FEEDS, (2) UNDERSTANDING DIGESTION AND FEED UTILIZATION, (3) EVALUATING FORAGES AND FORMULATING FEED RATIONS, AND (4) FEEDING DAIRY CATTLE. THE TIME ALLOTMENT IS VARIABLE DEPENDING ON LOCAL NEEDS AND OBJECTIVES. TEACHERS WITH A BACKGROUND IN PRODUCTION AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS WHO HAVE OCCUPATIONAL OBJECTIVES IN DAIRY PRODUCTION. PHOTOGRAPHS, LINE DRAWINGS, CHARTS, AND TABLES ILLUSTRATE THE MATERIAL. A NECESSARY SUPPLEMENTAL PUBLICATION IS "DAIRY CATTLE NUTRITION--A TEACHER'S UNIT PLAN" (VT 000 799). (WB)

VT 000 820
STUDENT TEACHING IN AGRICULTURAL EDUCATION; A GUIDE FOR STUDENT TEACHERS.

NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - MAY64 19P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; COOPERATING TEACHERS; PRESERVICE EDUCATION; VOCATIONAL AGRICULTURE TEACHERS; PROGRAM DESCRIPTIONS; EVALUATION CRITERIA

ABSTRACT - THIS GUIDE PROVIDES AN OVERVIEW OF THE STUDENT TEACHING PROGRAM AND SOME ROLE EXPECTATIONS FOR STUDENT TEACHERS, SUPERVISING TEACHERS, PRINCIPALS, AND COLLEGE STAFF. THE CONTENT INCLUDES A CHALLENGE TO STUDENT TEACHERS, A GENERAL PLAN OF STUDENT TEACHING, EVALUATION, SELECTION OF STUDENT TEACHING CENTERS, AND PLACEMENT IN CENTERS. THE APPENDIX CONTAINS SOME SUGGESTED AREAS OF EXPERIENCES, GUIDELINES FOR PLANNING EXPERIENCE PROGRAMS, AND A WORK SHEET FOR STUDENT TEACHING PLANS. THE DOCUMENT IS MIMEOGRAPHED. (DM)

VT 000 857
BRISTOL, BENTON K.
JOB SHEETS IN TRACTOR MAINTENANCE FOR VOCATIONAL AGRICULTURE . TEACHER EDUCATION SERIES, V. 1, NO. 2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.

DEPT. OF AGRICULTURAL EDUCATION

DEPARTMENT OF AGRICULTURAL EDUCATION, 101
AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA
STATE UNIVERSITY, UNIVERSITY PARK,
PENNSYLVANIA 16802 ($.50)
PUB DATE - 60 55P

DESCRIPTORS - *WORKSHEETS; *STUDY GUIDES; *VOCATIONAL AGRICULTURE; FARM MECHANICS (OCCUPATION); *TRACTORS; *EQUIPMENT MAINTENANCE; RESOURCE MATERIALS; SECONDARY GRADE

ABSTRACT - JOB SHEETS CONCERNED WITH TECHNICAL OPERATIONS AND SKILLS INVOLVED IN FARM TRACTOR MAINTENANCE ARE PRESENTED IN THIS DOCUMENT FOR USE AS WORK PLANS FOR HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. IT WAS DEVELOPED UNDER INDIVIDUAL AUTHORSHIP BY A TEACHER EDUCATOR AFTER BEING TESTED BY TEACHERS. JOB TITLES ARE: (1) BATTERY SERVICE, (2) OIL BATH AIR CLEANER SERVICE, (3) SPARK PLUG SERVICE, (4) MAGNITO SERVICE, (5) MAGNITO INSTALLATION AND TIMING, (6) CARE OF BATTERY IGNITION SYSTEM WIRING, INDUCTION COIL, AND STARTING AND LIGHTING EQUIPMENT, (7) VALVE TAPPET ADJUSTMENT, (8) COMPRESSION TESTING, (9) CHASSIS LUBRICATION, (10) CRANKCASE, TRANSMISSION, DIFFERENTIAL, AND FINAL DRIVE LUBRICATION, (11) COOLING SYSTEM SERVICE, (12) FUEL SYSTEM SERVICE, (13) FRONT WHEEL BEARING SERVICE, AND (14) TRACTOR TROUBLE DIAGNOSIS. EACH JOB IS ORGANIZED BY MATERIAL AND EQUIPMENT NEEDED, FREQUENCY OF DOING THE JOB, RELATED INFORMATION, SAFETY PRECAUTIONS, AND REFERENCES. VOCATIONAL AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH STUDENTS WHO ARE ENROLLED IN AGRICULTURAL SHOP COURSES. (WB)

VT 000 858
BRISTOL, BENTON K.
PRINCIPLES OF FARM TRACTOR SELECTION, OPERATION, GENERAL MAINTENANCE AND STORAGE FOR VOCATIONAL AGRICULTURE. TEACHER EDUCATION SER-8-NO-1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101
AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA
STATE UNIVERSITY, UNIVERSITY PARK,
PENNSYLVANIA 16802 ($0.50).
PUB DATE - 61 48P.

DESCRIPTORS - TEXTBOOKS; *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *TRACTORS; HIGH SCHOOLS

ABSTRACT - INFORMATION ON FARM TRACTOR SELECTION, OPERATION, GENERAL MAINTENANCE, AND STORAGE IS PRESENTED IN OUTLINE FORM FOR USE BY HIGH SCHOOL STUDENTS AND VOCATIONAL AGRICULTURE TEACHERS AS A REFERENCE HANDBOOK. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN COOPERATION WITH SUBJECT-MATTER SPECIALISTS. THE SECTIONS ARE (1) SELECTING A TRACTOR, (2) SAFE TRACTOR OPERATION, (3) GENERAL MAINTENANCE AND ADJUSTMENTS, AND (4) STORAGE. VOCATIONAL AGRICULTURE TEACHERS MAY USE THIS GUIDE WITH PRODUCTION-ORIENTED AGRICULTURAL STUDENTS IN THE PROPER MANAGEMENT OF TRACTOR POWER. PROBLEMS, ILLUSTRATIONS, AND A LIST OF REFERENCES ARE INCLUDED. (WB)

VT 000 860
A LIST OF TEACHING MATERIALS.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - 67 5P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *BIBLIOGRAPHIES; *INSTRUCTIONAL MATERIALS

ABSTRACT - VOCATIONAL AGRICULTURE INSTRUCTIONAL MATERIALS, AVAILABLE FROM THE DEPARTMENT AND LISTED IN THE FORM OF AN ORDER SHEET, ARE ORGANIZED UNDER THE SUBJECTS OF FARM BUSINESS MANAGEMENT, SOIL SCIENCE, PLANT SCIENCE, ANIMAL SCIENCE, AGRICULTURAL MECHANICS, AND MISCELLANEOUS CATEGORIES. A LIST OF MATERIALS AVAILABLE FROM OTHER AGENCIES IS ALSO INCLUDED. (JM)

VT 000 894
FORESTRY, TWO-YEAR HIGH SCHOOL COURSE IN VOCATIONAL AGRICULTURE--COMPETENCIES, COURSE OUTLINE, TOOLS, AND EQUIPMENT, CONSUMABLE SUPPLIES, AND REFERENCES.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL
EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION,
COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON
UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631
(SINGLE COPIES WITHOUT CHARGE).
PUB DATE - JUL65 13P.

DESCRIPTORS - *CURRICULUM GUIDES; HIGH SCHOOLS; *VOCATIONAL AGRICULTURE; JOB SKILLS; *FORESTRY; *FORESTRY AIDES

ABSTRACT - THE PURPOSE OF THE GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS PLAN A COURSE TO PREPARE HIGH SCHOOL JUNIORS AND SENIORS FOR OCCUPATIONS IN FORESTRY. IT WAS PREPARED BY A TEACHER EDUCATOR IN CONSULTATION WITH STATE FORESTRY COMMISSION PERSONNEL, TEACHERS, AND OTHER TEACHER EDUCATORS UPON THE BASIS OF A SURVEY. THE 360-HOUR COURSE INCLUDES UNITS ON: (1) OCCUPATIONAL OPPORTUNITIES, (2) THE IMPORTANCE OF FORESTS, (3) RELATION OF FORESTRY TO OTHER NATURAL RESOURCES, (4) THE IMPORTANCE OF GOOD MANAGEMENT PRACTICE, (5) FORESTRY EDUCATIONAL PROGRAMS IN SOUTH CAROLINA, (6) FOREST LAND OWNERSHIP, (7) TREE REPRODUCTION AND GROWTH, (8) FOREST ENVIRONMENT, (9) TREE AND WOOD IDENTIFICATION, (10) HAND TOOL AND SMALL EQUIPMENT MAINTENANCE AND USE, (11) ARTIFICIAL REPRODUCTION OF FORESTS, (12) NATURAL REPRODUCTION OF FORESTS, (13) FIRE PROTECTION, (14) INTERMEDIATE CUTTINGS, (15) HARVEST CUTTINGS, (16) ESTIMATES AND MEASURES, (17) INSECT CONTROL, (18) PROTECTION AGAINST DISEASE AND OTHER ENEMIES, (19) POWER EQUIPMENT OPERATION, (20) CHART, MAP, AND TRACING PREPARATION AND INTERPRETATION, (21) MATHEMATICS, AND (22) FORESTRY EMPLOYMENT. EACH UNIT INCLUDES A BRIEF OUTLINE OF SUBJECT MATTER. COMPETENCIES NEEDED IN FORESTRY AIDE TRAINING, SUGGESTED TOOLS, EQUIPMENT, AND REFERENCES ARE LISTED.

SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631. (JM)

VT 000 924
TRACTOR OPERATION AND MAINTENANCE, SPECIAL COURSE IN VOCATIONAL AGRICULTURE FOR ADULTS, SUGGESTED COURSE OUTLINE FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29731 (SINGLE COPIES AVAILABLE WITHOUT CHARGE).
PUB DATE - OCT64 9P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *ADULT FARMER EDUCATION; *TEACHING GUIDES; *CURRICULUM GUIDES; *TRACTORS; REPAIR; MAINTENANCE

ABSTRACT - THE PURPOSE OF THE GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS TO PLAN AND CONDUCT 20- TO 30-HOUR TRACTOR OPERATION AND MAINTENANCE COURSES FOR ADULT FARMERS. IT WAS DEVELOPED BY A COMMITTEE OF AGRICULTURE TEACHERS. OUTLINES ARE INCLUDED FOR UNITS ON (1) SERVICING AND LUBRICATING THE TRACTOR, (2) MAINTAINING THE COOLING, HYDRAULIC, IGNITION, ELECTRICAL, FUEL SYSTEM, AND THE CHASSIS, (3) LOCATING AND REPAIRING MALFUNCTIONS, AND (4) OPERATING CLEANING, AND STORING THE TRACTOR. EACH UNIT CONTAINS SUGGESTIONS FOR DISCUSSIONS, DEMONSTRATIONS, PRACTICE, AND MATERIALS. SUGGESTED REFERENCES ARE LISTED. SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29731. (JM)

VT 000 930
NORTHROP, FLOYD L.
BASIC PRINCIPLES OF PLANT SCIENCEL, A REFERENCE UNIT FOR TEACHING BASIC PRINCIPLES OF PLANT SCIENCE INNVOCATIONAL AGRICULTURE COURSES IN FLORIDA.

FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. AGRICULTURAL EDUCATION SECTION
FSDE-AES-BULL-72F-4
PUB DATE - JAN66 85P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *REFERENCE BOOKS; UNITS OF STUDY (SUBJECT FIELDS); *PLANT SCIENCE; HIGH SCHOOLS

ABSTRACT - ADAPTED FROM A MISSISSIPPI PUBLICATION, THIS GUIDE WAS DESIGNED FOR USE FOR A 6-WEEK PERIOD IN BASIC VOCATIONAL AGRICULTURE CLASSES AS A REFERENCE UNIT FOR THE TEACHER. ITS OBJECTIVE IS TO ORGANIZE PLANT SCIENCE INTO BASIC PRINCIPLES. THE UNITS COVER (1) CLASSIFICATION OF AGRICULTURAL PLANTS, (2) FUNCTIONS OF PLANT PARTS, (3) REPRODUCTION, (4) PLANT GROWTH, (5) NUTRITION, (6) DISEASES, (7) INSECTS, AND (8) WEEDS. BASIC PRINCIPLES ARE PRESENTED IN THE FORM OF QUESTIONS FOLLOWED BY EXPLANATIONS. TABLES AND ILLUSTRATIONS ARE INCLUDED. (JM)

VT 000 931
HOWELL, W.B., JR.
BASIC PRINCIPLES OF ANIMAL SCIENCE , A REFERENCE UNIT FOR TEACHING BASIC PRINCIPLES OF ANIMAL SCIENCE IN VOCATIONAL AGRICULTURE COURSES IN FLORIDA.

FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. AGRICULTURAL EDUCATION SECTION
FSDE-AES-BULL-72F-S
PUB DATE - JAN66 45P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *REFERENCE BOOKS: UNITS OF STUDY (SUBJECT FIELDS); *ANIMAL SCIENCE: HIGH SCHOOLS

ABSTRACT - AN ADAPTATION OF A MISSISSIPPI PUBLICATION, THIS REFERENCE MATERIAL IS DESIGNED FOR USE IN BASIC VOCATIONAL AGRICULTURE COURSES. ITS MAIN OBJECTIVE IS TO ORGANIZE ANIMAL SCIENCE INTO PRINCIPLES. ONE UNIT, THE ANATOMY AND PHYSIOLOGY OF FARM ANIMALS, COVERS THE SKELETAL, MUSCULAR, NERVOUS, CIRCULATORY, RESPIRATORY, EXCRETORY, DIGESTIVE, SENSORY, AND REPRODUCTIVE SYSTEMS. OTHER UNITS COVER NUTRITION, ENVIRONMENT, DISEASES, AND PARASITES. BASIC PRINCIPLES ARE PRESENTED IN THE FORM OF QUESTIONS FOLLOWED BY EXPLANATIONS. TABLES AND ILLUSTRATIONS ARE INCLUDED. THE MATERIAL MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS TO PLAN A 6-WEEK UNIT. (JM)

VT 000 945
AGRICULTURE I: A CURRICULUM UNIT OUTLINE FOR VOCATIONAL AGRICULTURE.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURE
PUB DATE - 64 86P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *GRADE 9

ABSTRACT - A RESULT OF THE WORK OF ALL OF THE STATE'S TEACHERS, THIS GUIDE WAS DESIGNED FOR FIRST-YEAR VOCATIONAL AGRICULTURE CLASSES. ITS MAJOR OBJECTIVES ARE TO DEVELOP IN THE STUDENT AN APPRECIATION AND UNDERSTANDING OF THE TOTAL FIELD OF AGRICULTURE AND TO ENCOURAGE OCCUPATIONAL ESTABLISHMENT IN AGRICULTURE. THE UNITS INCLUDE: (1) THE IMPORTANCE OF AGRICULTURE, (2) ANIMAL SCIENCE, (3) PLANT SCIENCE AND SOILS, (4) CONSERVATION OF NATURAL RESOURCES, (5) FARM HOME AND FAMILY, (6) SUPERVISED PROGRAMS OF AGRICULTURAL PRACTICE, (7) LEADERSHIP TRAINING, AND (8) FARM MECHANICS. EACH UNIT CONTAINS AN OUTLINE OF QUESTIONS FOLLOWED BY A LIST OF REFERENCES AND AUDIO-VISUAL MATERIALS. MANY OF THE MORE THAN 600 REFERENCES ARE CODED TO INDICATE TYPE, SOURCE, AND USE. (JM)

VT 000 946
AGRICULTURE II: A CURRICULUM UNIT OUTLINE FOR VOCATIONAL AGRICULTURE.

SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURE
CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - 65 82P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *GRADE 10; PLANT SCIENCE; SOIL SCIENCE; AGRICULTURAL PRODUCTION; CONSERVATION EDUCATION; SUPERVISED FARM PRACTICE; AGRICULTURAL ENGINEERING; LEADERSHIP TRAINING

ABSTRACT - FOR USE IN TEACHING SECOND-YEAR VOCATIONAL AGRICULTURE, THIS CURRICULUM GUIDE OUTLINES THE SUBJECT MATTER CONTENT, GIVING SUGGESTED TIME ALLOTMENT, SUGGESTED RESOURCE MATERIALS, AND DETAILED LISTS OF REFERENCES. THE SUBJECT MATTER, OFTEN POSED IN THE FORM OF PROBLEMS, INCLUDES UNITS ON: (1) IMPORTANCE OF AGRICULTURE, (2) CROP PRODUCTION, (3) PLANT SCIENCE AND SOILS, (4) FARM HOME AND FAMILY, (5) FARM MECHANICS, (6) SUPERVISED PROGRAMS OF AGRICULTURAL PRACTICE, (7) LEADERSHIP TRAINING, (8) CONSERVATION OF NATURAL RESOURCES, AND (9) ANIMAL PRODUCTION. (AW)

VT 000 947
LEARNING EXPERIENCES IN AGRICULTURAL OCCUPATIONS FOR STUDENTS OF VOCATIONAL AGRICULTURE, POULTRY PROCESSING PLANTS.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - APR64 5P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *POULTRY PROCESSING OCCUPATIONS; HIGH SCHOOLS; *COOPERATIVE EDUCATION; *LEARNING EXPERIENCE; *JOB SKILLS

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL TEACHERS AS COURSE PLANNING MATERIAL IN VOCATIONAL AGRICULTURE, THIS PUBLICATION CONTAINS A LIST OF LEARNING EXPERIENCES AND ACTIVITIES NEEDED BY EMPLOYEES IN POULTRY PROCESSING PLANTS. IT WAS DEVELOPED BY AN INDIVIDUAL AUTHOR FROM A SURVEY OF POULTRY PROCESSORS. MAJOR DIVISIONS ARE (1) EXPERIENCES IN PRODUCING BROILERS WHICH INCLUDES SELECTING BREEDS FOR BROILERS, PREPARING BROODER HOUSES, MAINTAINING PROPER TEMPERATURE, FOLLOWING SANITARY PRACTICES, AND FEEDING BEFORE MARKETING, AND (2) EXPERIENCES IN POULTRY PROCESSING WHICH INCLUDES KILLING CHICKENS, SIZING AND WEIGHING, PACKING FOR MARKETING, TAKING ORDERS, AND KEEPING RECORDS. SPACE TO CHECK PERFORMANCE OF EACH ACTIVITY IS PROVIDED. THE SUGGESTED TIME ALLOTMENT IS 160 HOURS. QUALIFIED AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH STUDENTS INTERESTED IN POULTRY PROCESSING. SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631. (WB)

VT 000 948
TEACHING AIDS FOR VOCATIONAL AGRICULTURE, A SUGGESTED LIST OF AIDS, TOOLS, EQUIPMENT SUPPLIES FOR DEPARTMENTS OF VOCATIONAL AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - MAR66 18P.

DESCRIPTORS - *INSTRUCTIONAL AIDS; *VOCATIONAL AGRICULTURE; CHECK LISTS; *EQUIPMENT

ABSTRACT - THE LIST WAS DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS AND TEACHER EDUCATORS FOR USE AS A GUIDE IN MAKING SELECTIONS OF AIDS, EQUIPMENT, AND SUPPLIES FOR VOCATIONAL AGRICULTURE DEPARTMENTS. IT INCLUDES ITEMS (1) FOR CLASSROOM, SHOP, AND OFFICE, AND (2) FOR LIVESTOCK, CROPS, SOILS, HORTICULTURE, FORESTRY, AND AGRICULTURAL MECHANICS SUBJECT AREAS. CATEGORIES IN AGRICULTURAL MECHANICS ARE WOODWORKING, METAL WORK, ELECTRICITY, CONCRETE AND MASONRY, TRACTORS AND MACHINERY, POWER TOOLS, AND CONSUMABLE SUPPLIES. DESCRIPTION AND SIZE, SUGGESTED MINIMUM QUANTITY, AND ESTIMATED COST ARE GIVEN FOR EACH ITEM. COLUMNS ARE PROVIDED FOR INVENTORY, NEED, AND COST TABULATION. (JM)

VT 000 949
AGRICULTURAL PRODUCTION AND MANAGEMENT; A THIRD YEAR CURRICULUM FOR VOCATIONAL AGRICULTURE.

SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURE
CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - 66 71P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *CONSERVATION EDUCATION; *FARM MANAGEMENT; AGRICULTURAL ENGINEERING; SUPERVISED FARM PRACTICE; LEADERSHIP TRAINING; GRADE 11

ABSTRACT - FOR USE IN TEACHING THIRD-YEAR VOCATIONAL AGRICULTURE CLASSES, THIS CURRICULUM GUIDE PROVIDES CONTENT AND PROBLEMS TO BE SOLVED, SUGGESTED TIME ALLOTMENT, AND REFERENCES FOR THE FOLLOWING EIGHT UNITS: (1) IMPORTANCE OF AGRICULTURE, (2) ANIMAL PRODUCTION, SPECIFICALLY DIARY, (3) CROP PRODUCTION, INCLUDING COTTON, PASTURES, AND SOYBEANS, (4) CONSERVATION OF NATURAL RESOURCES, INCLUDING SOIL AND WATER, AND WILDLIFE AND FISH, (5) FARM MANAGEMENT, COVERING MODERN DAY FARMING, STARTING IN FARMING, AND FARM FINANCING, (6) FARM MECHANICS, INCLUDING FARM MACHINERY AND ELECTRICITY AND MOTORS, (7) LEADERSHIP TRAINING, AND (8) SUPERVISED PROGRAMS OF AGRICULTURAL PRACTICE. A LIST OF ADDITIONAL REFERENCE PUBLICATIONS AND BRIEF INSTRUCTIONS FOR DETERMINING THE NEED FOR RESOURCE MATERIALS ARE ALSO GIVEN. (AW)

VT 000 950
ARC WELDING, SPECIAL COURSE IN VOCATIONAL AGRICULTURE FOR ADULTS, SUGGESTED COURSE OUTLINE FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - SEP64 10P.

DESCRIPTORS - *ADULT FARMER EDUCATION; *WELDING; TEACHING GUIDES; *CURRICULUM GUIDES

ABSTRACT - THE OUTLINE IS FOR TEACHER USE IN PLANNING A 30-HOUR COURSE TO ENABLE ADULT STUDENTS TO LEARN FUNDAMENTALS OF POSITION ARC WELDING, EQUIPMENT MAINTENANCE, SPECIAL EQUIPMENT USE, AND SAFETY. IT WAS DEVELOPED BY A TEACHER-EDUCATOR IN CONSULTATION WITH A TEACHER COMMITTEE. UNITS INCLUDE (1) LEARNING FUNDAMENTALS AND RUNNING SIMPLE BEADS, (2) MAKING BUTT AND FILLET WELDS, (3) WELDING CAST IRON AND SHEET METALS, (4) WELDING IN VERTICAL AND OVERHEAD POSITIONS, (5) USING CARBON ARC TORCH, (6) CUTTING AND HARDSURFACING, (7) STUDYING METALS, AND (8) MAINTAINING EQUIPMENT. EACH UNIT INCLUDES OBJECTIVES, DISCUSSION AND DEMONSTRATION TOPICS, PRACTICE SUGGESTIONS, AND SUMMARY POINTS. REFERENCES AND TEACHING AIDS ARE LISTED. (JM)

VT 000 951
ELECTRICITY ON THE FARM, SPECIAL COURSE IN VOCATIONAL AGRICULTURE FOR ADULTS, SUGGESTED COURSE OUTLINE FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - NOV64 8P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *ADULT FARMER EDUCATION; *TEACHING GUIDES; *CURRICULUM GUIDES; *ELECTRICITY

ABSTRACT - THE PURPOSE OF THIS TEACHING GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN PLANNING AND EXECUTING A 30-HOUR COURSE IN FARM ELECTRICITY. IT WAS DEVELOPED BY A COMMITTEE OF TEACHERS AND ELECTRICIANS FOR USE IN ADULT FARMER AND HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES. OUTLINES ARE INCLUDED FOR THE UNITS (1) ELECTRICAL FUNDAMENTALS AND TERMS, (2) HOMESTEAD WIRING SYSTEM PLANNING, (3) CIRCUIT INSTALLATION, (4) ELECTRICAL SYSTEM MAINTENANCE, (5) FARM MOTOR SELECTION, AND (6) OTHER USES OF ELECTRICITY. EACH UNIT CONTAINS SUGGESTIONS FOR DISCUSSION, DEMONSTRATION, PRACTICE, AND TEACHING MATERIALS. REFERENCES AND TEACHING AIDS ARE LISTED. SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631. (JM)

VT 000 953
ORNAMENTAL HORTICULTURE (REVISED), POST HIGH SCHOOL COURSE IN VOCATIONAL AGRICULTURE, POLICIES, PROCEDURES, AND COURSE OUTLINE FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - OCT64 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; POST SECONDARY EDUCATION; *ORNAMENTAL HORTICULTURE; PROGRAM GUIDES; *CURRICULUM GUIDES; *NURSERY WORKERS

ABSTRACT - THE OUTLINE IS FOR TEACHER USE IN DEVELOPING A COURSE TO PROVIDE STUDENTS WITH THE INFORMATION AND SKILLS NECESSARY FOR EMPLOYMENT IN PLANT NURSERY WORK. IT WAS DEVELOPED BY TEACHER EDUCATORS AND ORNAMENTAL HORTICULTURALISTS. POLICIES AND PROCEDURES ARE OUTLINED FOR DETERMINING NEED FOR COURSE, STUDENT SELECTION, COURSE CONTENT, COURSE LENGTH, SCHEDULES, CLASS SIZE, INSTRUCTIONAL SITES, TEACHERS, VOCATIONAL AGRICULTURE TEACHER RESPONSIBILITIES, FEES, OPERATIONAL FUNDS, TEACHER SALARY, STUDENT RECOGNITION, AND PLACEMENT RESPONSIBILITY. UNITS IN THE 300-HOUR COURSE ARE (1) SURVEY OF ORNAMENTAL HORTICULTURE, (2) PLANT IDENTIFICATION, (3) SOILS AND FERTILIZER, (4) SOIL PREPARATION AND STERILIZATION, (5) PLANT PROPAGATION, (6) PLANT GROWING STRUCTURES, (7) NURSERY PRACTICES, (8) LANDSCAPING STRUCTURES, (9) ORNAMENTAL MAINTENANCE, (10) NURSERY STOCK MARKETING, (11) INSECT AND DISEASE CONTROL, (12) LAWN ESTABLISHMENT AND MAINTENANCE, (13) TOOL AND EQUIPMENT SELECTION, USE, AND MAINTENANCE, AND (14) RECORD AND ACCOUNT KEEPING. SUGGESTED REFERENCES ARE LISTED. (JM)

VT 000 954
CALLOWAY, H.C.
ERECTING AND MANAGING THE GREENHOUSE IN THE VOCATIONAL AGRICULTURE PROGRAM.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($.50).
PUB DATE - ND 33P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *GREENHOUSES; HIGH SCHOOLS

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHERS FOR A 20-HOUR COURSE, THIS STUDENT AND TEACHER REFERENCE IS FOR USE IN HIGH SCHOOLS IN THE SOUTHERN UNITED STATES.

CONTENT INCLUDES: (1) PLANNING, BUDGETING, AND ERECTING A GREENHOUSE, (2) LOCATING THE WORK ROOM AND POTTING BENCHES, (3) HEATING AND COOLING, (4) MODERN WATERING TECHNIQUES, (5) LIGHTING, AND (6) PEST CONTROL. SUPPLEMENTARY INFORMATION INCLUDES: (1) DATA FOR CONSTRUCTION, HEATING, AND COOLING, (2) A PLANT LIST FOR BEGINNERS, (3) INFORMATION FOR WORKING GREENHOUSE PROBLEMS, (4) A LIST OF MISCELLANEOUS SUPPLIES AND EQUIPMENT, (5) A GLOSSARY OF TERMS, AND (6) A CHART FOR PLASTIC POTS. (DM)

VT 000 955
LEARNING EXPERIENCES IN AGRICULTURAL OCCUPATIONS FOR STUDENTS OF VOCATIONAL AGRICULTURE, PLANT NURSERIES.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - APR64 4P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *COOPERATIVE EDUCATION; *NURSERY WORKERS (HORTICULTURE); *JOB SKILLS; *LEARNING EXPERIENCE; HIGH SCHOOLS

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST THE VOCATIONAL AGRICULTURE TEACHER AND STUDENT IN PLANNING AND EVALUATING WORK EXPERIENCES IN PLANT NURSERIES. IT WAS DEVELOPED BY A TEACHER EDUCATOR FOR USE IN A 150-HOUR PLACEMENT EXPERIENCE. LISTED ARE 26 EXPERIENCES COMMON TO WORK IN A PLANT NURSERY SUCH AS PROPAGATING PLANTS, PREPARING AND MAINTAINING COLD FRAMES, PREPARING AND MAINTAINING HOT BEDS, STERILIZING SOIL, TAKING SOIL SAMPLES FOR TESTING, APPLYING PLANT NUTRIENTS, OPERATING A GREENHOUSE, GROWING PLANTS IN THE OPEN, MAINTAINING ORNAMENTALS, MARKETING PLANTS, LANDSCAPING, AND ESTABLISHING A LAWN. SPACE TO CHECK THE PERFORMANCE OF EACH ACTIVITY IS PROVIDED. SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631. (JM)

VT 000 956
LEARNING EXPERIENCES IN AGRICULTURAL OCCUPATIONS FOR STUDENTS OF VOCATIONAL AGRICULTURE, FARM SUPPLIES.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - MAR64 7P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *COOPERATIVE EDUCATION; *AGRICULTURAL SUPPLY OCCUPATIONS; *JOB SKILLS; *LEARNING EXPERIENCE; HIGH SCHOOLS

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST THE VOCATIONAL AGRICULTURE TEACHER AND STUDENT IN PLANNING AND EVALUATING WORK EXPERIENCES IN THE FARM SUPPLY BUSINESSES. IT WAS DEVELOPED BY A TEACHER EDUCATOR FOR USE IN A 150-HOUR PLACEMENT EXPERIENCE. IT CONTAINS THE THINGS THE STUDENT MUST LEARN TO DO AND THE THINGS HE MUST LEARN ABOUT. A LIST OF 89 EXPERIENCES WITH FEEDS, SEEDS, PESTICIDES, POULTRY, PETS, FERTILIZERS, HARDWARE, ADVERTISING, SELLING, SERVICING, AND RECORDS AND SPACE TO CHECK PERFORMANCE OF EACH ARE PROVIDED. SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631. (JM)

VT 000 963
ROGERS, CLARENCE J.
SAFETY PRACTICES IN AGRICULTURAL EDUCATION .

FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. AGRICULTURAL EDUCATION SECTION
FSDE-AES-72F-6
PUB DATE - MAY66 60P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; MANUALS; LABORATORY SAFETY; *SAFETY EDUCATION; HIGH SCHOOLS; *AGRICULTURAL SAFETY

ABSTRACT - THE PURPOSE OF THIS MANUAL IS TO HELP VOCATIONAL AGRICULTURE TEACHERS SET UP OR IMPLEMENT A SAFETY PROGRAM. THE IMPORTANCE OF SAFETY IS PRESENTED AND THE TEACHER'S AND SUPERVISOR'S RESPONSIBILITIES ARE EXPLAINED. RECOMMENDATIONS ARE MADE FOR GENERAL SAFETY, FIRST AID, ELECTRICAL SAFETY, AND FIRE SAFETY. ADDITIONAL SECTIONS COVER LEGAL RESPONSIBILITIES AND COLOR CODING IN THE FARM SHOP. A BIBLIOGRAPHY IS INCLUDED. A LIST OF SPECIFIC SAFETY RECOMMENDATIONS FOR EACH CATEGORY OF TOOLS OR PROCEDURES IS PRESENTED IN SECTIONS ON: (1) HAND TOOLS, (2) POWER TOOLS, (3) WELDING, (4) MISCELLANEOUS POWER EQUIPMENT, (5) FARM TRACTORS AND MACHINERY, AND (6) AGRICULTURAL CHEMICALS. THE APPENDIX SHOWS A SAFETY REGULATIONS FORM FOR STUDENT AND PARENT SIGNATURE, A SAFETY ENGINEER'S DAILY REPORT FORM, A SAFETY SURVEY CHECKLIST, AND A NATIONAL STANDARD SAFETY INSPECTION CHECKLIST FOR VOCATIONAL AGRICULTURE. (JM)

VT 000 964
GILES, FLOYD A.
TEACHING ORNAMENTAL HORTICULTURE IN VOCATIONAL AGRICULTURE .

MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUL64 42P.

DESCRIPTORS - *TEACHING GUIDES; AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *ORNAMENTAL HORTICULTURE; HIGH SCHOOLS

ABSTRACT - THIS GUIDE DEVELOPED BY A VOCATIONAL AGRICULTURE INSTRUCTOR, IS RECOMMENDED FOR A 25-HOUR COURSE DESIGNED TO HIGHLIGHT OCCUPATIONAL OPPORTUNITIES IN ORNAMENTAL HORTICULTURE. UNITS ARE (1) PLANT

MATERIALS, (2) LANDSCAPE STRUCTURES, (3) LANDSCAPE DRAWING AND DESIGN, (4) DESIGNING PROBLEMS, (5) NURSERIES AND THEIR IMPORTANCE, (6) NURSERY PRACTICES, (7) PROPAGATION OF NURSERY STOCK, AND (8) MARKETING NURSERY PRODUCTS. TEACHING OBJECTIVES, SUGGESTIONS FOR MOTIVATION, STUDENT REFERENCES AND TEACHING AIDS, PROBLEMS AND STUDY QUESTIONS, AND INSTRUCTOR AND STUDENT ACTIVITIES ARE GIVEN FOR EACH UNIT. THE DOCUMENT IS MIMEOGRAPHED AND CONTAINS LINE DRAWING ILLUSTRATIONS. SUPPLEMENTARY MATERIALS INCLUDE SOLUTIONS TO STUDENT PROBLEMS, BIBLIOGRAPHY, AND ADDRESSES WHERE ADDITIONAL REFERENCES MAY BE OBTAINED. (DM)

VT 000 989
AGRICULTURAL INSTRUCTION, UNITS I-VIII.

LOS ANGELES CITY SCHOOLS, CALIF. VOCATIONAL AND PRACTICAL ARTS SECTION
PUB DATE - 63 85P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; INSTRUCTIONAL MATERIALS; *AGRICULTURAL PRODUCTION; *SOIL SCIENCE; *ANIMAL SCIENCE; HORTICULTURE; NURSERIES (HORTICULTURE); EQUIPMENT; ENTOMOLOGY; PLANT SCIENCE

ABSTRACT - FOR USE IN VOCATIONAL AGRICULTURE CLASSES, THIS MANUAL CONSISTS OF EIGHT INSTRUCTIONAL UNITS, INCLUDING: (1) TOOLS, EQUIPMENT, AND SAFETY, (2) SOILS AND SOIL PREPARATION, (3) VEGETABLE CROPS AND UNSWEET FRUITS, (4) PLANTING THE GARDEN, (5) FLOWERS, (6) NURSERY PRACTICE, (7) INSECTS, AND (8) ANIMAL HUSBANDRY. UNITS PROVIDE INFORMATION SHEETS AND OPERATION SHEETS CONTAINING PURPOSE, ACTIVITIES AND PROCEDURES, PROBLEMS, AND QUESTIONS FOR EACH OF THE TOPICS COVERED UNDER THE GENERAL UNIT HEADINGS. THE GUIDE IS ILLUSTRATED WITH NUMEROUS LINE DRAWINGS AND DIAGRAMS. (AW)

VT 000 990 ED 013 890
WIGGS, J.T. , AND OTHERS
FERTILIZER SALES AND SERVICEMAN. TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
PUB DATE - 66 229P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; ANSWER KEYS; BIBLIOGRAPHIES; COOPERATIVE EDUCATION; *FERTILIZERS; *STUDY GUIDES; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE A STUDY GUIDE FOR STUDENTS PREPARING TO BE FERTILIZER SALES AND SERVICEMEN IN A COOPERATIVE EDUCATION PROGRAM. IT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS ON THE BASIS OF RECOMMENDATIONS BY A STATE ADVISORY COMMITTEE, TESTED IN OPERATIONAL PROGRAMS, AND REFINED BY A VOCATIONAL AGRICULTURE TEACHER. UNITS INCLUDED IN THE COURSE ARE -- (1) AGRICULTURAL SALESMANSHIP, (2) BUSINESS ORGANIZATION AND FUNCTION, (3) BUSINESS PROCEDURES, (4) FERTILIZER, (5) SOILS AND SOIL PROBLEMS, (6) FERTILIZER NUTRIENT SOURCES, (7) PLANT FOOD ELEMENT FUNCTIONS, (8) FERTILIZER USE PRINCIPLES, (9) FERTILIZER APPLICATION METHODS, AND (10) REGULATIONS AND CONTROL. MATERIALS IN EACH UNIT INCLUDE INFORMATION SHEETS, ASSIGNMENT SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND TEST ANSWER SHEETS. THE MATERIAL MAY BE APPROPRIATELY USED IN A VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION PROGRAM FOR STUDENT READING AND AS A GUIDE TO STUDY. STUDENTS SHOULD BE EMPLOYED PART-TIME IN FERTILIZER SALES AND SERVICE, MALE OR FEMALE, AND 16 TO 20 YEARS OLD. THE COURSE WOULD REQUIRE 175 PERIODS OF 50 MINUTES EACH. THE PRINTED DOCUMENT IS LOOSELEAF. THIS DOCUMENT IS AVAILABLE IN LIMITED NUMBERS FOR $2.50 EACH FROM THE AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843. (JM)

VT 001 006
SMALL GAS ENGINES--MAINTENANCE AND REPAIR, SPECIAL COURSE IN VOCATIONAL AGRICULTURE FOR ADULTS. SUGGESTED COURSE OUTLINE FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - OCT64 8P.

DESCRIPTORS - *ADULT FARMER EDUCATION; HIGH SCHOOLS; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; MECHANICS (PROCESS); *ENGINES

ABSTRACT - THE PURPOSE OF THE GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN PLANNING AND CONDUCTING A 30-HOUR COURSE ON SMALL GASOLINE ENGINES FOR HIGH SCHOOL STUDENTS OR ADULT FARMERS. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH A COMMITTEE OF TEACHERS AND MECHANICS. UNITS IN THE COURSE INCLUDE (1) USE, KINDS, AND TYPES OF SMALL GASOLINE ENGINES, (2) FUNDAMENTALS OF INTERNAL COMBUSTION, (3) FUELS AND THE FUEL SYSTEM, (4) THE IGNITION SYSTEM, (5) LUBRICATION AND COOLING SYSTEMS, (6) VALVES, PISTONS, RINGS, AND CRANKSHAFT, (7) TROUBLE SHOOTING--IGNITION TROUBLE, (8) TROUBLE SHOOTING--CARBURETOR AND THE FUEL SYSTEM, (9) TROUBLE SHOOTING--LACK OF COMPRESSION AND HIGH OIL CONSUMPTION, (10) TROUBLE SHOOTING--OVERHEATING AND ENGINE NOISE. EACH UNIT IS DIVIDED INTO DISCUSSION AND DEMONSTRATION BY THE TEACHER, AND PRACTICE BY THE STUDENTS. SUGGESTED BOOKS, MATERIALS, AND SLIDES ARE LISTED. SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631. (JM)

VT 001 009
FULLER, GERALD R.
EDUCATION FOR AGRICULTURAL OCCUPATIONS. A GUIDE TO HIGH SCHOOL COURSE PLANNING.

THE INTERSTATE PRINTERS AND PUBLISHERS, DANVILLE, ILL.
INTERSTATE PRINTERS AND PUBLISHERS, INC., 19-

27 NORTH JACKSON STREET, DANVILLE, ILLINOIS 61832 ($1.00).
PUB DATE - 65 47P.

DESCRIPTORS - *OFF FARM AGRICULTURAL OCCUPATIONS; *CURRICULUM GUIDES; *COOPERATIVE EDUCATION; *EDUCATIONAL PRINCIPLES

ABSTRACT - THIS CURRICULUM GUIDE, FOR USE OF TEACHERS IN VOCATIONAL AND TECHNICAL COURSES IN THE SECONDARY SCHOOLS, OUTLINES AN EFFECTIVE PROCEDURE OF SELECTING THE AGRICULTURAL CONTENT OF MOST VALUE IN NONFARM AGRICULTURAL OCCUPATIONS. GUIDING PRINCIPLES FOR THE PROGRAMS ARE IDENTIFIED AND INCLUDE: (1) THE OBJECTIVE IS TO PREPARE FOR ENTRY AND ADVANCEMENT IN AN INDUSTRY, NOT JUST IN A JOB, (2) THERE IS A BASIC CORE OF NEEDED AGRICULTURAL KNOWLEDGE, (3) THERE IS A BASIC CORE OF NEEDED KNOWLEDGE ABOUT BUSINESS OPERATIONS, (4) EXPERIENCE PROGRAMS MAY INCLUDE EMPLOYMENT, OBSERVATIONS, AND SUPPLEMENTARY EXPERIENCE, (5) EXPERIENCE PROGRAMS SHOULD EMPHASIZE EDUCATION, NOT PAY, (6) EXPERIENCE PROGRAMS SHOULD RELATE TO INSTRUCTION, (7) EXPERIENCE PROGRAMS SHOULD BE PLANNED BY TEACHER, STUDENT, PARENTS, AND EMPLOYER COOPERATIVELY, AND (8) EXPERIENCE PROGRAMS SHOULD BE SUPERVISED BY THE TEACHER OF AGRICULTURE. THE STEPS IN DEVELOPING THE PROGRAM, PROCEDURES FOR ENROLLING STUDENTS, BASIC CORE OF INSTRUCTION, AND BASIC AGRICULTURAL EXPERIENCES ARE DESCRIBED. SAMPLE TEACHING PLANS INCLUDE: OBJECTIVES, INTEREST APPROACHES, ANTICIPATED DECISIONS AND DIFFICULTIES, CLASS ACTIVITIES, REFERENCES, AND TEACHING AIDS. THEY INCLUDE THE PROBLEM AREAS: (1) UNDERSTANDING EXPERIENCE PROGRAMS, (2) ARRANGING EXPERIENCE PROGRAMS, (3) KEEPING PROGRESS RECORDS, (4) IDENTIFYING EMPLOYMENT REQUIREMENTS, (5) MANAGING PERSONAL INCOME, (6) ANALYZING BUSINESS ORGANIZATION, (7) OPERATING A FIRM, (8) OBEYING LAWS, (9) MARKETING PRODUCTS, (10) ADVERTISING AND PROMOTING PRODUCTS OR SERVICES, (11) DETERMINING CUSTOMER CREDIT, AND (12) FINANCING A BUSINESS. (JM)

VT 001 012
HARMFUL PARASITES OF DOMESTIC ANIMALSL. SERVICE BULLETIN NO. 1.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUN63 67P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *LIVESTOCK; *PARASITOLOGY; HIGH SCHOOLS

ABSTRACT - PRINCIPLES, LIFE CYCLES, AND TERMINOLOGY OF ANIMAL PARASITES ARE OUTLINED TO ASSIST TEACHERS IN INCREASING STUDENT UNDERSTANDING OF ANIMAL PARASITES THAT AFFECT THE MAJOR ANIMAL ENTERPRISES OF THE COMMUNITY. SUBJECT MATTER SPECIALISTS DEVELOPED THIS MATERIAL FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES IN THE SOUTHWEST UNITED STATES. CONTENT INCLUDES AN OVERVIEW OF PARASITOLOGY AND PARASITES AFFECTING CATTLE, SHEEP, SWINE, HORSES, POULTRY, DOGS, AND CATS. ECONOMIC IMPORTANCE, LIFE CYCLE, DAMAGE, SYMPTOMS, TREATMENTS, PREVENTION, AND REFERENCES ARE INCLUDED FOR EACH OF 31 PARASITES. SUPPLEMENTARY MATERIALS INCLUDE 20 ILLUSTRATIONS TO ILLUSTRATE THE LIFE CYCLE OF THE VARIOUS PARASITES, A GLOSSARY OF 54 TERMS, AND A LIST OF REFERENCES. (DM)

VT 001 013
INTRODUCTION TO ANIMAL DISEASES . SERVICE BULLETIN NUMBER 2.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX
PUB DATE - APR65 36P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *LIVESTOCK; *DISEASES; VETERINARY MEDICINE; DISEASE CONTROL; HIGH SCHOOLS

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS FOR USE BY TEACHERS, THIS REFERENCE IS RECOMMENDED FOR INTRODUCTORY INSTRUCTION IN ANIMAL DISEASES. INFORMATION IS DISCUSSED CONCERNING: (1) THE IMPORTANCE, DEFINITION, AND HISTORY OF ANIMAL DISEASES, (2) INDICATIONS OF ANIMAL HEALTH, (3) CLASSIFICATION OF ANIMAL DISEASES, (4) THE SPEED OF COMMUNICABLE DISEASES, (5) HOW COMMUNICABLE DISEASES CAUSE ILL HEALTH, (6) HOW ANIMALS ARE PROTECTED FROM DISEASE, AND (7) METHODS OF ADMINISTERING MEDICATION. THE MATERIAL WAS WRITTEN FOR HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES IN THE SOUTHWEST UNITED STATES AS PART OF A UNIT IN PRODUCTION AGRICULTURE. SUPPLEMENTARY MATERIALS INCLUDE A 7-ITEM REFERENCE LIST AND AN 90-WORK GLOSSARY. (DM)

VT 001 014
DAWSON, C.G.
COTTON PICKER OPERATION AND MAINTENANCE, A SHORT COURSE FOR OPERATORS OF COTTON PICKERS . ADULT EDUCATION IN AGRICULTURE, AGRICULTURAL TECHNOLOGY. COURSE CONTENT GUIDE (TENTATIVE).

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LABORATORY
PUB DATE - JUN64 15P.

DESCRIPTORS - *COTTON (FIELD CROP); *AGRICULTURAL MACHINERY; ADULT VOCATIONAL EDUCATION; *CURRICULUM GUIDES; *HARVESTING

ABSTRACT - DESIGNED TO ASSIST OPERATORS AND OWNERS OF COTTON PICKERS IN OPERATING AND MAINTAINING THEIR MACHINES, THIS COURSE AIMS TO IMPROVE THE EFFECTIVENESS AND EFFICIENCY OF MECHANICAL COTTON HARVESTING. THE COURSE OUTLINE WAS DEVELOPED BY AN AGRICULTURAL AND BIOLOGICAL EDUCATION CONSULTANT AND EVALUATED BY INSTRUCTORS FOR TEACHER USE IN ADULT EDUCATION IN COMMUNITY COLLEGES OR TECHNICAL INSTITUTES. SUBJECTS COVERED ARE (1) CULTURAL PRACTICES AFFECTING HARVESTING AND QUALITY OF LINT, (2) EFFECT OF HARVEST CONDITIONS, (3) HARVESTER PRINCIPLES, (4) PICKER EFFICIENCY, (5) MACHINE OPERATION PRINCIPLES, (6) FIELD OPERATION, (7) MAINTENANCE AND REPAIR, (8) PRECAUTIONS, (9) COTTON HANDLING PRINCIPLES, AND (10) YEAR-END ACTIVITIES. THE TEACHER

SHOULD BE A COTTON PICKER MECHANIC. SUPPLEMENTARY MATERIALS INCLUDE A COTTON PICKER OPERATORS' CHECK LIST, A PERFORMANCE REPORT FORM, AND A LIST OF TIMELY TIPS FOR MECHANICAL PICKING. (DM)

VT 001 015
GENERAL HORTICULTURE. A GUIDE FOR PROVIDING INSTRUCTION FOR 11TH OR 12TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
PUB DATE - JUN64 35P.

DESCRIPTORS - *HORTICULTURE; *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; ORNAMENTAL HORTICULTURE OCCUPATIONS; GRADE 11; GRADE 12; PLANT SCIENCE

ABSTRACT - OBJECTIVES OF THIS COURSE ARE TO ENABLE STUDENTS TO DEVELOP: (1) UNDERSTANDING OF HORTICULTURE'S IMPORTANCE AND RELATION TO SOCIAL AND ECONOMIC WELFARE, (2) UNDERSTANDING OF BASIC SOIL AND PLANT SCIENCE PRINCIPLES AND CONCEPTS RELATED TO HORTICULTURE, (3) SKILLS FOR COMPREHENSION AND APPLICATION OF PRINCIPLES AND CONCEPTS, (4) UNDERSTANDING OF HORTICULTURE OCCUPATIONAL REQUIREMENTS AND OPPORTUNITIES, AND (5) KNOWLEDGE OF CONTINUING EDUCATIONAL OPPORTUNITIES. UNITS INCLUDED ARE: (1) INTRODUCTION, (2) PLANT GROWTH AND DEVELOPMENT, (3) HORTICULTURAL PRACTICES, (4) HOME AND COMMERCIAL HORTICULTURAL CROPS, (5) LANDSCAPING AND BEAUTIFICATION, AND (6) EDUCATIONAL AND CAREER OPPORTUNITIES. SUBUNITS, RESOURCES, AND TEACHING-LEARNING ACTIVITIES ARE GIVEN FOR EACH UNIT. THE DOCUMENT LISTS SUGGESTED REFERENCES, AUDIO-VISUAL AIDS, BASIC FACILITIES AND EQUIPMENT, AND SUPERVISED PRACTICE PROGRAMS. (JM)

VT 001 027
HEMP, PAUL E.; KREBS, ALFRED H.
A STUDY GUIDE FOR PLACEMENT-EMPLOYMENT PROGRAMS IN AGRICULTURAL BUSINESS AND INDUSTRY .

INTERSTATE PRINTERS AND PUBLISHERS, INC., 19-27 NORTH JACKSON STREET, DANVILLE, ILLINOIS 61832 ($2.50).
PUB DATE - 64 182P.

DESCRIPTORS - *WORKBOOKS; *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *COOPERATIVE EDUCATION; EMPLOYMENT EXPERIENCE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS FOR USE IN HIGH SCHOOLS, AREA VOCATIONAL SCHOOLS, AND COMMUNITY COLLEGES, THIS GUIDE IS FOR A STUDY OF AGRICULTURAL BUSINESSES BY STUDENTS INTERESTED IN OFF-FARM AGRICULTURAL JOBS. CONTENT INCLUDES: (1) EMPLOYMENT TRAINING, (2) OPPORTUNITIES IN AGRICULTURE, (3) EMPLOYMENT EXPERIENCE OPPORTUNITIES, (4) THE SCHOOL-BUSINESS TEAM, (5) ACQUIRING SELF-KNOWLEDGE, (6) KNOWING WORK LAWS, (7) GETTING A JOB, (8) PLANNING AN EXPERIENCE PROGRAM, (9) STUDYING THE AGRICULTURAL BUSINESS, (10) RECOGNIZING EMPLOYER AND EMPLOYEE RESPONSIBILITIES, (11) KNOWING AND SELLING PRODUCTS AND SERVICES, (12) DEVELOPING CUSTOMER RELATIONS, (13) PURCHASING, PRICING, AND PROMOTING PRODUCTS AND SERVICES, (14) TRANSPORTING AND STORING PRODUCTS, (15) KEEPING BUSINESS RECORDS AND INVENTORIES, (16) PROMOTING SAFETY, AND (17) IMPROVING BUSINESS. DESIGNED AS A WORK BOOK FOR STUDENTS INVOLVED IN OCCUPATIONAL PLACEMENT, THE GUIDE CONTAINS FORMS FOR MAKING PLANS, CONDUCTING SURVEYS, AND PRACTICING COMPETENCIES. REFERENCES ARE LISTED. (DM)

VT 001 031
LIST OF RECENT BULLETINS SELECTED FOR USE IN ARIZONA DEPARTMENTS OF VOCATIONAL AGRICULTURE.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
SERVICE BUL-5
PUB DATE - JUN65 25P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *BIBLIOGRAPHIES; *INSTRUCTIONAL MATERIALS

ABSTRACT - AN ANNUAL SERVICE TO VOCATIONAL AGRICULTURE TEACHERS, THIS LIST INCLUDES 179 BULLETIN TITLES FROM 47 SOURCES. BULLETINS ARE CLASSIFIED BY THE FILING SYSTEM FOR THE STATE'S VOCATIONAL AGRICULTURE DEPARTMENTS, AND THE PROBABLE USEFULNESS IN VOCATIONAL AGRICULTURE CLASSES IS INDICATED FOR EACH ONE. SOME OF THE GENERAL SUBJECTS ARE MEATS, ANIMAL DISEASE, BEEF, SHEEP, DAIRY, AGRICULTURAL MECHANICS, AND VEGETABLES. THE SOURCE FOR EACH BULLETIN IS KEYED TO A MASTER LIST. (JM)

VT 001 093
COURSE OF STUDY FOR ORNAMENTAL HORTICULTURE COURSES.

ROCKLAND COUNTY CENTER OF TECHNOLOGY AND EDUCATION, WEST NYACK, N.Y. ORNAMENTAL HORTICULTURE DEPT.
PUB DATE - 1APR66 34P.

DESCRIPTORS - *PROGRAM GUIDES; CURRICULUM GUIDES; VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *LANDSCAPING; *NURSERIES (HORTICULTURE); GRADE 11; GRADE 12; *ORNAMENTAL HORTICULTURE OCCUPATION

ABSTRACT - THIS PROGRAM GUIDE COVERS A 2-YEAR HIGH SCHOOL COURSE IN LANDSCAPING AND NURSERY MANAGEMENT AND MECHANICS, INTENDED TO PREPARE STUDENTS FOR ENTRY INTO HORTICULTURAL OCCUPATIONS OR FOR CONTINUED EDUCATION IN THE FIELD. THE MATERIAL IS DESIGNED PRIMARILY FOR GRADES 11 AND 12 AND IS DIVIDED INTO TWO COURSES OF STUDY, COVERING THE SAME SUBJECT MATERIAL BUT SET UP ON ABILITY LEVELS WITH VARYING DEGREES OF TECHNICAL INFORMATION AND PRACTICAL WORK. CONTENTS PROVIDE: (1) GENERAL AND SPECIFIC AIMS OF THE PROGRAM, (2) INFORMATION ON THE ADVISORY BOARD, (3) POLICIES REGARDING SALE OF PLANTS AND WORK

PROJECTS, (4) SUGGESTED FACILITIES, INCLUDING COSTS, (5) SERVICE ACCOUNTS, (6) COOPERATIVE WORK PROGRAMS, AND (7) EXPLANATION OF THE COURSE OF STUDY, INCLUDING WORK EXPERIENCE REQUIREMENTS, CREDITS, TIME REQUIREMENT, AND A BREAKDOWN OF THE STUDY UNITS. STUDY UNITS ARE: (1) ORIENTATION, (2) PLANTS, (3) PLANT PEST AND CONTROLS, (4) SOILS, (5) NURSERY MANAGEMENT, (6) LANDSCAPE PLANNING, (7) LANDSCAPING, (8) LANDSCAPING MAINTENANCE, (9) CHRISTMAS DECORATIONS, (10) BUSINESS MANAGEMENT RELATIONS, (11) MECHANICS, AND (12) STUDENT PRACTICE. (AW)

VT 001 111
INTRODUCTION TO THE FUNDAMENTALS OF FIRE BEHAVIOR.

FOREST SERVICE, WASHINGTON, D.C. DIV. OF FIRE CONTROL
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A13.2--F51/45, $.45).
PUB DATE - 64 44P.

DESCRIPTORS - *PROGRAMED UNITS; *FORESTRY; *FIRE PROTECTION; *FIRE FIGHTERS

ABSTRACT - THIS PROGRAMED COURSE WAS DESIGNED FOR TRAINING FOREST FIRE FIGHTERS BY PROVIDING KNOWLEDGE OF FIRE BEHAVIOR. THE USE OF THE PROGRAMED MATERIAL IS EXPLAINED. UNITS COVERED IN 158 FRAMES INCLUDE (1) THE FIRE TRIANGLE, (2) IGNITION TEMPERATURE, (3) SOURCES OF HEAT, (4) HEAT TRANSFER, (5) WEATHER FACTORS, (6) FOREST FUEL FACTORS, AND (7) TOPOGRAPHY. MOST OF THE PROGRAM FRAMES ARE ILLUSTRATED BY LINE DRAWINGS. A SUMMARIZED REFERENCE OF THE SEVEN UNITS WHICH REVIEWS THE ESSENTIAL POINTS PRESENTED IN THE PROGRAM IS INCLUDED. THE TIME REQUIRED TO COMPLETE THE COURSE IS 1 1/2 TO 2 HOURS. THIS DOCUMENT IS AVAILABLE AS A13.2--F51/45 FOR 45 CENTS FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402. (JM)

VT 001 131
LONG, GILBERT A., AND OTHERS
A UNIT IN SURVEYING FOR VOCATIONAL AGRICULTURE.

WASHINGTON STATE BOARD FOR VOCATIONAL EDUCATION, OLYMPIA. AGRICULTURAL EDUCATION DIV.
PUB DATE - JUL66 86P.

DESCRIPTORS - *SURVEYING; *CURRICULUM GUIDES; *PROGRAMED INSTRUCTION; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; TRANSPARENCIES

ABSTRACT - AN UNDERSTANDING OF BASIC SURVEYING PRINCIPLES AND ABILITY TO SURVEY FARM CONTOURS, IRRIGATION WAYS, PROPERTY LINES, AND FIELD DRAWINGS BY VOCATIONAL AGRICULTURE STUDENTS ARE THE OBJECTIVES OF 16 LESSONS ON SURVEYING. LESSONS WITHIN THE UNIT INCLUDE INTRODUCTION AND HISTORY, TYPES OF SURVEYING, PACING, CHAINING, HORIZONTAL DISTANCE MEASUREMENT, CHAINS, PROPERTY DESCRIPTIONS, LEVEL SET UP, RODS AND TARGETS, ELEVATION MATHEMATICS, GRADE CUTS AND FILLS, CONTOURS, SURFACE DRAINAGE, AND BUILDING CONSTRUCTION BATTER BOARDS. A PROGRAMED UNIT IS INCLUDED IN THE LESSON ON PROPERTY DESCRIPTIONS. OVERHEAD PROJECTION TRANSPARENCY MASTERS ARE PROVIDED FOR TOWNSHIPS, SUBJECT CONTENT, AND TEACHING-LEARNING ACTIVITIES. ILLUSTRATIONS, CHARTS, AND TABLES ARE INCLUDED. (JM)

VT 001 132 ED 013 891
FITTS, JAMES ; JOHNSON, JOHNNY
PARKS AND LANDSCAPE EMPLOYEE. TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
PUB DATE - 66 330P.

DESCRIPTORS - ANSWER KEYS; *COOPERATIVE EDUCATION; *LANDSCAPING; *ORNAMENTAL HORTICULTURE; *STUDY GUIDES; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION STUDENTS PREPARING FOR EMPLOYMENT IN THE PARK AND LANDSCAPING FIELD WITH READING MATERIAL AND A GUIDE FOR STUDY. THE MATERIAL WAS DESIGNED BY SUBJECT MATTER SPECIALISTS ON THE BASIS OF STATE ADVISORY COMMITTEE RECOMMENDATIONS. THE MATERIAL WAS TESTED IN OPERATIONAL PROGRAMS AND REFINED BY TWO TEACHERS. UNITS INCLUDED IN THE COURSE ARE -- (1) INTRODUCTION TO HORTICULTURE, (2) PLANT GROWING MEDIA, (3) PLANT GROWTH AND CLASSIFICATION, (4) PLANT PROPAGATION, (5) NURSERY PLANT PRODUCTION, (6) FLORAL CROP PRODUCTION, (7) ESTABLISHING AND CARING FOR LAWNS, (8) CONTROLLING PLANT INSECTS, DISEASES, AND OTHER PESTS, (9) OPERATING AND MAINTAINING HORTICULTURAL EQUIPMENT, (10) DEVELOPING AND MAINTAINING THE LANDSCAPE. MATERIALS FOR EACH UNIT INCLUDE INFORMATION SHEETS, ASSIGNMENT SHEETS, ASSIGNMENT ANSWER SHEETS, TOPICAL TESTS, AND TEST ANSWER SHEETS. THE COURSE IS DESIGNED FOR 175 PERIODS OF 50 MINUTES EACH. STUDENTS MAY BE MALE OR FEMALE, 16 TO 20 YEARS OF AGE, AND SHOULD BE EMPLOYED. TEXTBOOKS, BULLETINS, AND COMMERCIAL DATA ARE RECOMMENDED FOR USE WITH THE STUDY GUIDE. THE DOCUMENT IS PRINTED AND LOOSELEAF. THIS DOCUMENT IS AVAILABLE IN LIMITED NUMBERS FOR $4.50 EACH FROM THE AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843. (JM)

VT 001 133 ED 016 034
FITTS, JAMES ; JOHNSON, JOHNNY
ASSISTANT GROUNDSKEEPER, TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
PUB DATE - 66 326P.

DESCRIPTORS - ANSWER KEYS; *COOPERATIVE EDUCATION; GRADE 11; GRADE 12; *GROUNDS KEEPERS; LANDSCAPING; *ORNAMENTAL HORTICULTURE; *STUDY GUIDES; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE A STUDY GUIDE FOR VOCATIONAL

AGRICULTURE COOPERATIVE EDUCATION STUDENTS PREPARING TO BECOME ASSISTANT GROUNDSKEEPERS. IT WAS PREPARED BY VOCATIONAL AGRICULTURE TEACHERS IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS. SECTIONS IN THE GUIDE INCLUDE (1) INTRODUCTION TO HORTICULTURE, (2) PLANT GROWING MEDIA, (3) PLANT GROWTH AND CLASSIFICATION, (4) PLANT PROPAGATION, (5) NURSERY PLANT PRODUCTION, (6) FLORAL CROP PRODUCTION, (7) LAWN ESTABLISHMENT AND CARE, (8) PLANT INSECT, DISEASE, AND PEST CONTROL, (9) EQUIPMENT OPERATION AND MAINTENANCE, AND (10) LANDSCAPE DEVELOPMENT AND MAINTENANCE. EACH SECTION INCLUDES INFORMATION SHEETS, ASSIGNMENT SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND TOPIC TEST ANSWER SHEETS. A QUALIFIED VOCATIONAL AGRICULTURE TEACHER MAY USE THE MATERIAL AS A 180-HOUR COURSE OF STUDY WITH JUNIOR AND SENIOR BOYS WITH OCCUPATIONAL GOALS AS ASSISTANT GROUNDSKEEPERS. NECESSARY SUPPLEMENTARY MATERIALS ARE CITED IN THE DOCUMENT. THIS DOCUMENT IS AVAILABLE FOR $4.50 FROM AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843. (JM)

VT 001 134
FITTS, JAMES; JOHNSON, JOHNNY
GARDEN CENTER EMPLOYEE. (TEACHERS COPY).

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($4.50).
PUB DATE - 66 397P.

DESCRIPTORS - *STUDY GUIDES; TESTS; ANSWER KEYS; *VOCATIONAL AGRICULTURE; *GARDEN CENTER EMPLOYEES; *ORNAMENTAL HORTICULTURE; HIGH SCHOOLS; *COOPERATIVE EDUCATION

ABSTRACT - THIS GUIDE IS FOR USE IN A VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION COURSE FOR GARDEN CENTER EMPLOYEES. IT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH A TEACHER COMMITTEE. UNITS FOR STUDENT USE ARE (1) INTRODUCTION, WHICH INCLUDES IMPORTANCE, SCOPE, AND OCCUPATIONAL OPPORTUNITIES, (2) PLANT GROWING STRUCTURE, CONSTRUCTION, MAINTENANCE, AND USE, (3) PLANT GROWING MEDIA, (4) PLANT GROWTH AND CLASSIFICATION, (5) PLANT PROPAGATION, (6) NURSERY PLANT PRODUCTION, (7) FLORAL CROP PRODUCTION, (8) LAWN ESTABLISHMENT AND CARE, (9) PLANT INSECT, DISEASE, AND PEST CONTROL, (10) EQUIPMENT OPERATION AND MAINTENANCE, (11) LANDSCAPE DEVELOPMENT AND MAINTENANCE, AND (12) PLANT AND SUPPLY MERCHANDISING. EACH UNIT INCLUDES INFORMATION SHEETS AND ASSIGNMENT SHEETS WHICH CONTAIN TOPIC, OBJECTIVE, INTRODUCTION, REFERENCES, AND QUESTIONS OR ACTIVITIES. TOPIC TESTS AND ANSWER SHEETS FOR TESTS AND ASSIGNMENTS ARE INCLUDED. TEACHERS SHOULD BE QUALIFIED IN VOCATIONAL AGRICULTURE, AND STUDENTS SHOULD BE JUNIORS AND SENIORS AT LEAST 16 YEARS OLD WHO DESIRE TO BECOME GARDEN CENTER EMPLOYEES. TIME REQUIRED IS 180 HOURS. (JM)

VT 001 140 ED 013 892
HILL, DURWIN; VENABLE, BENNY MAC
AGRICULTURAL MACHINERY--POWER. TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
PUB DATE - 66 337P.

DESCRIPTORS - *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; ANSWER KEYS; *COOPERATIVE EDUCATION; *STUDY GUIDES; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE A STUDY GUIDE FOR STUDENTS PREPARING FOR AGRICULTURAL MACHINERY OCCUPATIONS IN A VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION PROGRAM. THE MATERIAL WAS DESIGNED BY SUBJECT MATTER SPECIALISTS ON THE BASIS OF STATE ADVISORY COMMITTEE RECOMMENDATIONS, TRIED IN OPERATIONAL PROGRAMS, AND REFINED BY A TEACHER. TOPICAL UNITS IN THE COURSE INCLUDE -- (1) INTRODUCTION, (2) INTERNAL COMBUSTION ENGINES, (3) LUBRICANTS AND LUBRICATING SYSTEMS, (4) FUEL SYSTEMS, (5) COOLING SYSTEMS, (6) ELECTRICAL SYSTEMS, AND (7) HYDRAULICS. UNIT MATERIALS INCLUDE INFORMATION SHEETS, ASSIGNMENT SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND TOPIC TEST ANSWERS. THE MATERIAL IS SUITABLE FOR READING AND AS A GUIDE TO STUDY FOR STUDENTS WHO ARE EMPLOYED, MALE OR FEMALE, AND 16 TO 20 YEARS OLD. THE COURSE REQUIRES 175 PERIODS OF 50 MINUTES. OTHER TEXTBOOKS, BULLETINS, AND COMMERCIAL DATA ARE NECESSARY AND ARE SPECIFICALLY RECOMMENDED ON THE ASSIGNMENT SHEETS. THE DOCUMENT IS IN PRINTED AND LOOSELEAF FORM. THIS DOCUMENT IS AVAILABLE IN LIMITED NUMBERS FOR $4.00 EACH FROM AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843. (JM)

VT 001 150
SACHS, ROY M.
SEEDS AND SEEDLINGS .

CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. BUREAU OF AGRICULTURAL EDUCATION
CALIFORNIA UNIV., DAVIS. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - 65 29P.

DESCRIPTORS - *REFERENCE MATERIALS; HIGH SCHOOLS; *VOCATIONAL AGRICULTURE; *PLANT GROWTH; *LABORATORY EXPERIMENTS; *SCIENTIFIC METHODOLOGY

ABSTRACT - DEVELOPED BY A SPECIALIST IN LANDSCAPE HORTICULTURE, THIS REFERENCE CONTAINS TEXTUAL MATERIAL AND BOTANICAL EXPERIMENTS FOR USE BY SECONDARY SCHOOL STUDENTS. CONTENT INCLUDES SECTIONS ON ANATOMY AND GROWTH, SEED GERMINATION, SEEDLING GROWTH, AND NUTRITION AND PLANT GROWTH. EACH SECTION CONTAINS BASIC INFORMATION, EXPERIMENTS AND ILLUSTRATIONS TO EMPHASIZE LEARNING PRINCIPLES AND THE SCIENTIFIC METHOD. THE DIRECTIONS FOR MAKING EXPERIMENTAL SOLUTIONS ARE INCLUDED. (DM)

VT 001 151

KENNEDY, ROBERT

A LIST OF SOME AUDIO VISUALS IN ORNAMENTAL HORTICULTURE.

CALIFORNIA UNIV., DAVIS. DEPT. OF AGRICULTURAL EDUCATION
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. BUREAU OF AGRICULTURAL EDUCATION
PUB DATE - JUL65 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *INSTRUCTIONAL AIDS; FILMSTRIPS; FILMS; TRANSPARENCIES

ABSTRACT - THE PURPOSE OF THIS LIST IS TO AID THE TEACHER IN SELECTING AIDS APPROPRIATE TO SPECIFIC SECTIONS OF THE SUBJECT AREA. IT INCLUDES 104 TITLES IN AN OUTLINE PARALLELING "THE SUGGESTED CURRICULUM OUTLINE FOR A HIGH SCHOOL ORNAMENTAL HORTICULTURE CURRICULUM" PREPARED BY THE CALIFORNIA STATE POLYTECHNIC COLLEGE. ITEMS FROM 17 SOURCES ARE DESIGNATED AS FILMS, SLIDES, OR FILMSTRIPS. (JM)

VT 001 152

HUMPHREY, ANTHONY

SUGGESTIONS FOR LAUNCHING STUDENTS INTO THE VOCATIONAL COURSE IN AGRICULTURE IN THE HIGH SCHOOL.

LOUISIANA STATE UNIV., BATON ROUGE. DEPT. OF VOCATIONAL AGRICULTURAL EDUCATION.
PUB DATE - JUN63 93P.

DESCRIPTORS - *CURRICULUM GUIDES; *CURRICULUM PLANNING; *VOCATIONAL AGRICULTURE; SECONDARY GRADES; *PROGRAM PLANNING; LESSON PLANS; INSTRUCTIONAL MATERIALS

ABSTRACT - PREPARED BY AN ASSOCIATE PROFESSOR OF AGRICULTURAL EDUCATION, THIS PROGRAM PROVIDES A SYSTEMATIC PRESENTATION OF INSTRUCTIONAL UNITS AND LESSONS TO ORIENT HIGH SCHOOL STUDENTS INTO VOCATIONAL AGRICULTURE PROGRAMS. INSTRUCTIONAL UNITS PROVIDING TEACHER AND STUDENT OBJECTIVES, UNIT MOTIVATION, SKILLS AND KNOWLEDGE TO BE DEVELOPED, AND SUGGESTED LEARNING ACTIVITIES ARE GIVEN FOR: (1) FAMILIARIZING BEGINNING STUDENTS, PARENTS, AND FACULTY MEMBERS WITH THE PROGRAM IN VOCATIONAL AGRICULTURE, (2) FAMILIARIZING STUDENTS WITH THE FUNCTIONS OF GUIDANCE IN THE PROGRAM OF VOCATIONAL AGRICULTURE, (3) DEVELOPING THE BASIC STUDY PROGRAM IN VOCATIONAL AGRICULTURE, AND (4) DEVELOPING THE INDIVIDUAL WORK EXPERIENCE PROGRAM FOR VOCATIONAL AGRICULTURE OVER THE FOUR-YEAR PERIOD. UNITS III AND IV ARE FURTHER SUBDIVIDED INTO LESSONS WHICH INCLUDE SPECIFIC OBJECTIVES, ACTIVITIES, SAMPLE FORMS AND RECORDS, REFERENCES, AND TOPICAL OUTLINES PROVIDING CONTENT AND HOURS TO BE SPENT ON EACH SUBJECT. (AW)

VT 001 187

LEARNING EXPERIENCES IN AGRICULTURAL OCCUPATIONS FOR STUDENTS OF VOCATIONAL AGRICULTURE, MILK PROCESSING PLANT.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - APR64 4P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *COOPERATIVE EDUCATION; *MILK; *LEARNING EXPERIENCE; *LIVESTOCK PROCESSING OCCUPATIONS; JOB SKILLS

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS AND STUDENTS IN PLANNING AND EVALUATING WORK EXPERIENCES IN MILK PROCESSING BUSINESSES. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH A DAIRY SCIENCE PROFESSOR FOR USE IN A 50-HOUR PLACEMENT ACTIVITY. FORTY-TWO LEARNING EXPERIENCES ARE LISTED UNDER ICE CREAM, CHEESE, MILK, AND BUTTER PROCESSING. A SPACE IS PROVIDED FOR THE EMPLOYER TO CHECK SATISFACTORY COMPLETION OF EACH EXPERIENCE. SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631. (JM)

VT 001 189

LEARNING EXPERIENCES IN FARM PLACEMENT FOR STUDENTS OF VOCATIONAL AGRICULTURE, DESIRABLE WORK EXPERIENCES ON DIFFERENT TYPES OF FARMS IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - OCT63 17P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SUPERVISED FARM PRACTICE; *PROGRAM GUIDES; PROGRAM PLANNING

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN THE PLACEMENT OF HIGH SCHOOL STUDENTS FOR FARM EXPERIENCE. IT WAS DEVELOPED BY A TEACHER EDUCATION STAFF. THE NEED FOR FARM EXPERIENCE, NECESSARY SUPERVISION, RECORDS, AND DESIRABLE FARM EXPERIENCES ARE DISCUSSED. DETAILED CHECKLISTS ARE PROVIDED FOR PLANNING 3 YEARS OF EXPERIENCE ON TOBACCO, COTTON, GENERAL POULTRY, DAIRY, BEEF, AND HOG FARMS AND FOR EXPERIENCES WITH FARM EQUIPMENT AND TRACTORS. (JM)

VT 001 192

FARM CARPENTRY, POST HIGH SCHOOL COURSE IN VOCATIONAL AGRICULTURE, POLICIES, PROCEDURE, AND COURSE OUTLINE FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).

PUB DATE - JAN65 19P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; POST SECONDARY EDUCATION; *TEACHING GUIDES; *CARPENTRY; PROGRAM GUIDES; CURRICULUM GUIDES

ABSTRACT - THE PURPOSE OF THIS 300-HOUR COURSE IS TO PROVIDE POST-HIGH SCHOOL YOUTH AND ADULTS WITH THE BASIC TRAINING NECESSARY FOR CARPENTRY WORK. A COMMITTEE OF TEACHERS AND AGRICULTURAL EDUCATION STAFF MEMBERS PREPARED THE MATERIAL. THE DOCUMENT INCLUDES POLICIES AND PROCEDURES FOR DETERMINING NEED, ENROLLMENT, COURSE CONTENT, SCHEDULE, TEACHING AIDS, TOOLS, EQUIPMENT, AND CONSUMABLE SUPPLIES. CARPENTRY SKILLS INCLUDE UNITS ON HAND TOOLS, POWER TOOLS, BUILDING MATERIAL CALCULATION, DRAWINGS AND BLUEPRINTS, RAFTERS AND BRACES, STAIRWAYS OR STEPS, BUILDING MATERIAL USE, GLAZING, AND CONCRETE FORMS. CONSTRUCTING FARM BUILDINGS INCLUDES UNITS ON FOUNDATIONS, FRAMING, ROOFING, EXTERIOR WALLS, INTERIOR WALLS AND CEILINGS, FLOORS, WINDOWS AND DOOR FRAMES, INSULATION, TERMITE DAMAGE PREVENTION, FARM POLE CONSTRUCTION, AND FARM BUILDING REPAIR. EACH UNIT INCLUDES SUGGESTIONS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS WITH DISCUSSIONS, DEMONSTRATIONS, AND PRACTICE. REFERENCES AND AIDS ARE LISTED. (JM)

VT 001 193
OPERATION, CARE AND REPAIR OF FARM TRACTORS (REVISED), POST HIGH SCHOOL COURSE IN VOCATIONAL AGRICULTURE, POLICIES, PROCEDURES, COURSE OUTLINE AND AIDS FOR TEACHERS OF AGRICULTURE IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - OCT64 18P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; POST SECONDARY EDUCATION; *FARMERS; *TRACTORS; *AGRICULTURAL MACHINERY OCCUPATIONS; *CURRICULUM GUIDES; REPAIR; MAINTENANCE; PROGRAM GUIDES

ABSTRACT - THE PURPOSE OF THIS 300-400-HOUR COURSE IS TO PROVIDE TRAINING IN FARM TRACTOR OPERATION, CARE, AND REPAIR FOR POST-SECONDARY STUDENTS PREPARING FOR EMPLOYMENT IN THE FARM MACHINERY BUSINESS OR LARGE FARM OPERATIONS AND TO UPGRADE THEIR SKILLS IF ALREADY EMPLOYED. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH A TEACHER COMMITTEE. METHODS OF DETERMINING TRAINING NEED, STUDENT SELECTION, COURSE CONTENT, CLASS SCHEDULES, TEACHING PERSONNEL, COURSE LOCATION, CLASS SIZE, STUDENT FEES, FUNDS AVAILABLE, AND PLACEMENT TECHNIQUES ARE DESCRIBED. MAJOR AREAS IN THE COURSE INCLUDE (1) SAFE TRACTOR OPERATION, (2) TRACTOR SERVICE, (3) ENGINE TYPES, (4) ENGINE REPAIR, (5) TRANSMISSION, CLUTCH, DIFFERENTIAL, UNIVERSAL JOINT, AND CHASSIS SERVICE AND REPAIR, (6) LUBRICATION, (7) FUELS, (8) TROUBLE SHOOTING, (9) SMALL TOOL USE, (10) SPECIAL TOOL AND EQUIPMENT USE, (11) FASTENERS, AND (12) WELDING. CONSUMABLE SUPPLIES, TOOLS, EQUIPMENT, AND INSTRUCTIONAL MATERIALS ARE SUGGESTED. (JM)

VT 001 195 ED 013 893
WIGGS, J.T.
FEED SALES AND SERVICEMAN. TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
PUB DATE - 66 191P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; ANSWER KEYS; BIBLIOGRAPHIES; *COOPERATIVE EDUCATION; *FEED INDUSTRY; OCCUPATIONS; *STUDY GUIDES; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE A GUIDE TO STUDY FOR VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION STUDENTS PREPARING FOR EMPLOYMENT IN FEED SALES AND SERVICE. THE MATERIAL WAS DESIGNED BY SUBJECT MATTER SPECIALISTS ON THE BASIS OF STATE ADVISORY COMMITTEE RECOMMENDATIONS, TESTED IN OPERATIONAL PROGRAMS, AND REFINED. UNITS IN THE COURSE ARE -- (1) AGRICULTURAL SALESMANSHIP, (2) FEED BUSINESS ORGANIZATION AND FUNCTION, (3) BUSINESS PROCEDURES, (4) SERVICE FUNCTIONS, (5) REGULATIONS, (6) RATION FORMULATION, (7) FEED PREPARATION, AND (8) RELATED AGRICULTURAL SUPPLIES AND SERVICE. THE COURSE IS DESIGNED FOR 175 PERIODS OF 50 MINUTES, FOR MALE AND FEMALE STUDENTS, 16 TO 20 YEARS OF AGE, WHO ARE EMPLOYED PART-TIME IN THE INDUSTRY. SUPPLEMENTAL TEXTBOOKS, BULLETINS, AND COMMERCIAL DATA ARE NECESSARY, AND LISTS ARE PROVIDED IN THE DOCUMENT. THE PRINTED DOCUMENT IS LOOSELEAF. THIS DOCUMENT IS AVAILABLE IN LIMITED NUMBERS FOR $2.50 EACH FROM AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843. (JM)

VT 001 214 ED 013 894
HALTERMAN, JERRY , AND OTHERS
AGRICULTURAL CHEMICALS TECHNOLOGY, A SUGGESTED TWO-YEAR POST HIGH SCHOOL CURRICULUM AND COURSE OUTLINES.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - DEC65 151P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; *AGRICULTURAL TECHNICIANS; BIBLIOGRAPHIES; CURRICULUM; *CURRICULUM GUIDES; POST SECONDARY EDUCATION

ABSTRACT - DATA REVEALED BY STUDIES OF AGRICULTURAL BUSINESS TRAINING NEEDS CONDUCTED IN SEVERAL STATES PROMPTED THE DESIGN OF AN INSTRUCTIONAL MATERIALS SERIES TO ASSIST STATE AND LOCAL VOCATIONAL EDUCATION LEADERS IN DEVELOPING PROGRAMS TO PREPARE YOUTH AND ADULTS FOR EMPLOYMENT AND ADVANCEMENT IN OFF-FARM AGRICULTURAL OCCUPATIONS. THIS DOCUMENT, THE INTRODUCTION TO THE SERIES ON AGRICULTURAL CHEMICALS, WAS DEVELOPED BY A TASK FORCE OF SPECIALISTS TO

ASSIST IN THE DEVELOPMENT OF A 2-YEAR POST-SECONDARY CURRICULUM FOR PREPARING TECHNICIANS TO SERVE AS AGRICULTURAL CHEMICAL PRODUCT SALESMEN AND SERVICEMEN, EQUIPMENT SALESMEN AND SERVICEMEN, PRODUCTION AND CONTROL TECHNICIANS, TECHNICIANS, SPECIALISTS, APPLICATORS, AND FARM MANAGEMENT CONSULTANTS. IT INCLUDES AN INTRODUCTORY STATEMENT, A DESCRIPTION OF THE NATURE OF THE PROGRAM, AN OVERVIEW OF THE CURRICULUM, AND A SUGGESTED CURRICULUM. COURSES ARE CLASSIFIED AS GENERAL, SUPPORTING TECHNICAL, AND TECHNICAL SPECIALITY. OUTLINES ARE INCLUDED FOR THREE COURSES IN COMMUNICATIONS, FOUR IN CHEMISTRY, TWO IN MECHANICS, SEVEN IN AGRICULTURAL BUSINESS, THREE IN BIOLOGICAL SCIENCES, SEVEN IN AGRICULTURAL SCIENCE AND PRODUCTION, AND TWO IN PERSONAL DEVELOPMENT. STUDY GUIDES IN EIGHT TECHNICAL SPECIALTY COURSES ARE PRESENTED AS SUBSEQUENT UNITS IN THE SERIES. A 95-ITEM BIBLIOGRAPHY IS INCLUDED. TWELVE GUIDELINES FOR THE DEVELOPMENT OF TRAINING PROGRAMS FOR AGRICULTURAL TECHNICIANS ARE OUTLINED, AND EDUCATIONAL NEEDS FOR AGRICULTURAL TECHNICIANS AND AGRICULTURAL CHEMICALS TECHNICIANS ARE LISTED. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 215   ED 013 895
THE USE OF CHEMICALS AS FERTILIZERS.
AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 1.

OHIO STATE UNIV., COLUMBUS. CENTER FOR
VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE -   DEC65 128P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; *FERTILIZERS; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING POST-SECONDARY STUDENTS FOR AGRICULTURAL CHEMICAL OCCUPATIONS. ONE OF A SERIES OF EIGHT MODULES, IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SUBJECT MATTER AREAS ARE (1) CHEMICAL NUTRITION OF PLANTS, (2) PLANT GROWTH, (3) TERMINOLOGY, INTERPRETATION, AND CALCULATION, (4) NUTRIENT CLASSIFICATION, FUNCTION, AND DEFICIENCY, (5) CHEMICAL SELECTION AND RECOMMENDATION, (6) PLANT AND SOIL DIAGNOSIS AND FIELD TRIAL ANALYSIS, (7) FERTILIZER APPLICATION AND PLACEMENT, (8) APPROVED FERTILIZER PRACTICES AND RECOMMENDATIONS, AND (9) LAWFUL AND SAFE FERTILIZER HANDLING, TRANSPORT, AND STORAGE. EACH SECTION INCLUDES SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITY, INSTRUCTIONAL MATERIALS, REFERENCES, AND SUGGESTIONS FOR OCCUPATIONAL EXPERIENCES. A GLOSSARY OF TERMS, A LIST OF SELECTED REFERENCES, AND A GUIDE FOR SPECIFIC DEMONSTRATIONS AND USE OF VISUAL AIDS ARE INCLUDED. THE MATERIAL IS DESIGNED FOR 24 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 80 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE AN AGRICULTURAL CHEMICAL BACKGROUND AND STUDENTS AN OCCUPATIONAL GOAL IN THE INDUSTRY, APTITUDE IN CHEMISTRY, AND POST-HIGH SCHOOL STATUS. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 216   ED 013 896
THE USE OF CHEMICALS AS INSECTICIDES--PLANTS.
AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 2.

OHIO STATE UNIV., COLUMBUS. CENTER FOR
VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE -   DEC65 76P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; ENTOMOLOGY; *INSECTICIDES; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS GUIDE IS ONE OF A SERIES DESIGNED TO PROVIDE GROUP INSTRUCTION AND INDIVIDUAL OCCUPATIONAL EXPERIENCE FOR POST-SECONDARY STUDENTS PREPARING FOR EMPLOYMENT AS AGRICULTURAL CHEMICAL TECHNICIANS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF STATE STUDY DATA. THE OBJECTIVES ARE TO DEVELOP (1) INTEREST, APPRECIATION, AND UNDERSTANDING OF CHEMICAL USE IN INSECT AND PEST CONTROL, (2) ABILITY TO COMMUNICATE, STUDY, COMPUTE, AND MEASURE IN THE FIELD, (3) ABILITY TO RECOGNIZE AND IDENTIFY INSECTS, PESTS, AND DAMAGE SYMPTOMS, (4) KNOWLEDGE OF CHEMICALS, (5) KNOWLEDGE OF PRINCIPLES AND CONCEPTS UNDERLYING CHEMICAL USE, AND (6) KNOWLEDGE AND SKILL IN LAWFUL AND SAFE HANDLING OF CHEMICALS. SUGGESTIONS FOR INTRODUCING THE COURSE ARE GIVEN. EACH MAJOR UNIT INCLUDES OBJECTIVES, TEACHER PREPARATION, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND, IN SOME CASES, EVALUATIVE CRITERIA IN THE FORM OF SPECIFIC STUDENT PERFORMANCES. THE MODULE IS DESIGNED FOR 24 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 120 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE A BACKGROUND, AND STUDENTS AN OCCUPATIONAL GOAL, IN AGRICULTURAL CHEMICALS. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 217   ED 013 897
THE USE OF CHEMICALS AS SOIL ADDITIVES.
AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 3.

OHIO STATE UNIV., COLUMBUS. CENTER FOR
VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE -   DEC65 60P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; POST SECONDARY EDUCATION; *SOIL SCIENCE; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING POST-SECONDARY STUDENTS FOR AGRICULTURAL CHEMICAL OCCUPATIONS. IT IS ONE OF A SERIES OF MODULES DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF STATE STUDY DATA. SECTIONS ARE (1) PHYSICAL AND CHEMICAL ALTERATION OF SOIL WITH CHEMICAL ADDITIVES, (2) TERMINOLOGY AND COMPUTATIONS, (3) LAWS, REGULATIONS, AND CONTROLS, (4) SOIL STRUCTURE AND COMPOSITION, (5) CHEMICALS AS SOIL ADDITIVES, AND (6) SOIL ADDITIVE PRINCIPLES AND CONCEPTS. IN ADDITION TO SUGGESTIONS FOR INTRODUCING THE MODULE, OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, AND INSTRUCTIONAL MATERIALS AND REFERENCES ARE SUGGESTED FOR EACH SECTION. TEACHERS NEED A BACKGROUND IN AGRICULTURAL CHEMICALS, AND STUDENTS SHOULD HAVE POST-HIGH SCHOOL STATUS, AN APTITUDE IN CHEMISTRY, AND AN OCCUPATIONAL GOAL IN AGRICULTURAL CHEMICALS. THE MATERIAL IS DESIGNED FOR 12 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 80 HOURS OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 218 ED 013 898
THE USE OF CHEMICALS AS FUNGICIDES, BACTERICIDES AND NEMATOCIDES. AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 4.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - DEC65 57P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; *PLANT PATHOLOGY; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING POST-SECONDARY EDUCATION STUDENTS FOR AGRICULTURAL CHEMICAL OCCUPATIONS. ONE OF A SERIES FOR THESE OCCUPATIONS, THIS MODULE WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SECTIONS ARE (1) PLANT DISEASE AND NEMATODE PREVENTION, CONTROL, OR ERADICATION WITH CHEMICALS, (2) TERMINOLOGY AND COMPUTATIONS, (3) PATHOLOGICAL AGENT AND NEMATODE IDENTIFICATION, (4) FUNGICIDES, BACTERICIDES, AND NEMATOCIDES, (5) CHEMICAL UTILIZATION PRINCIPLES AND CONCEPTS, (6) UTILIZATION SKILLS AND ABILITIES, AND (7) LEGAL HANDLING, STORAGE, AND APPLICATION OF CHEMICALS. IN ADDITION TO SUGGESTIONS FOR INTRODUCING THE MODULE, THE GUIDE INCLUDES OBJECTIVES, SUBJECT MATTER CONTENT, TEACHING-LEARNING ACTIVITIES, AND INSTRUCTIONAL MATERIAL AND REFERENCES FOR EACH SECTION. IT IS DESIGNED FOR 24 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 80 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE A BACKGROUND IN AGRICULTURAL CHEMICALS, AND STUDENTS SHOULD HAVE POST-HIGH SCHOOL STATUS, APTITUDE IN CHEMISTRY, AND AN OCCUPATIONAL GOAL IN THE FIELD. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 219 ED 013 899
THE USE OF CHEMICALS TO CONTROL FIELD RODENTS AND OTHER PREDATORS. AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 5.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - DEC65 40P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; POST SECONDARY EDUCATION; *RODENTICIDES; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST TEACHERS IN PREPARING POST-SECONDARY STUDENTS FOR AGRICULTURAL CHEMICAL OCCUPATIONS. IT IS ONE OF A SERIES OF MODULES DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SECTIONS ARE (1) USE OF CHEMICALS FOR RODENT CONTROL AND ERADICATION, (2) TERMINOLOGY AND COMPUTATIONS, (3) RODENT IDENTIFICATION, (4) RODENTICIDES, (5) RODENT CONTROL PRINCIPLES AND CONCEPTS, AND (6) CHEMICAL HANDLING, TRANSPORTATION, AND STORAGE. IN ADDITION TO SUGGESTIONS FOR INTRODUCING THE MODULE, THE GUIDE INCLUDES OBJECTIVES, SUBJECT MATTER CONTENT, SUGGESTED TEACHING-LEARNING ACTIVITIES, AND INSTRUCTIONAL AIDS AND REFERENCES FOR EACH SECTION. TEACHERS SHOULD HAVE A BACKGROUND IN AGRICULTURAL CHEMICALS. STUDENTS SHOULD HAVE POST-HIGH SCHOOL STATUS, AN APTITUDE IN CHEMISTRY, AND AN OCCUPATIONAL GOAL IN THE INDUSTRY. THE MATERIAL IS DESIGNED FOR 12 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 60 HOURS OF OCCUPATIONAL EXPERIENCE. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 220 ED 013 900
THE USE OF CHEMICALS AS HERBICIDES. AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 6.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - DEC65 41P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; *HERBICIDES; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *WEEDS

ABSTRACT - DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF STATE STUDIES, THIS MODULE IS ONE OF A SERIES DESIGNED TO ASSIST TEACHERS IN PREPARING POST-SECONDARY STUDENTS FOR ENTRY AND ADVANCEMENT IN AGRICULTURAL CHEMICAL OCCUPATIONS. THE SPECIFIC OBJECTIVES OF THIS MODULE ARE TO DEVELOP ABILITIES NECESSARY FOR OCCUPATIONS CONCERNED WITH CHEMICAL WEED CONTROL. SECTIONS INCLUDE --

(1) USE OF CHEMICALS TO PREVENT, CONTROL, OR ERADICATE WEEDS, (2) TERMINOLOGY AND COMPUTATIONS, (3) WEED IDENTIFICATION, (4) HERBICIDES, (5) CHEMICAL WEED CONTROL PRINCIPLES AND CONCEPTS, (6) WEED CONTROL PROGRAMS AND SELECTIVE WEED CONTROL, AND (7) SAFE HERBICIDE HANDLING, STORAGE, AND APPLICATION. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. EACH SECTION INCLUDES RECOMMENDED SUBJECT MATTER, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL AIDS, AND REFERENCES. THE MATERIAL IS DESIGNED FOR 24 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 60 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE A BACKGROUND IN AGRICULTURAL CHEMICALS, AND STUDENTS SHOULD HAVE POST-HIGH SCHOOL STATUS, APTITUDE IN CHEMISTRY, AND AN OCCUPATIONAL GOAL IN THE INDUSTRY. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 221   ED 013 901
THE USE OF CHEMICALS IN THE FIELD OF FARM ANIMAL HEALTH (NUTRITION, ENTOMOLOGY, PATHOLOGY). AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 7.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE -   DEC65 70P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; *ANIMAL SCIENCE; BIBLIOGRAPHIES; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VETERINARY MEDICINE

ABSTRACT - DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF STATE STUDIES, THIS MODULE IS ONE OF A SERIES DESIGNED TO ASSIST TEACHERS IN PREPARING POST-SECONDARY STUDENTS FOR AGRICULTURAL CHEMICAL OCCUPATIONS. THE SPECIFIC OBJECTIVE OF THIS MODULE IS TO PREPARE TECHNICIANS IN THE FIELD OF THE USE OF CHEMICALS FOR ANIMAL HEALTH. SECTIONS INCLUDE -- (1) CHEMICALS FOR NUTRITION, INSECT CONTROL AND ERADICATION, AND PROTECTION AGAINST DISEASE FOR FARM ANIMALS, (2) TERMINOLOGY AND COMPUTATIONS, (3) NUTRITIONAL DEFICIENCY, PARASITIC INFESTATION, AND DISEASE RECOGNITION AND IDENTIFICATION, (4) CHEMICALS USEFUL FOR ANIMAL HEALTH, (5) CHEMICAL PRINCIPLES AND CONCEPTS, (6) SKILL IN USING CHEMICALS, AND (7) CHEMICAL HANDLING, TRANSPORTATION, STORAGE, AND APPLICATION. SUGGESTIONS FOR INTRODUCING THE MODULE ARE GIVEN. EACH SECTION INCLUDES RECOMMENDED SUBJECT MATTER, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL AIDS, AND REFERENCES. THE MATERIAL IS DESIGNED FOR 24 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 80 HOURS OF OCCUPATIONAL EXPERIENCE. THE TEACHER SHOULD HAVE AGRICULTURAL CHEMICAL EXPERIENCE. STUDENTS SHOULD HAVE POST-HIGH SCHOOL STATUS, APTITUDE IN CHEMISTRY, AND AN OCCUPATIONAL GOAL IN THE INDUSTRY. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 222   ED 013 902
THE USE OF CHEMICALS AS PLANT REGULATORS. AGRICULTURAL CHEMICALS TECHNOLOGY, NUMBER 8.

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE -   DEC65 64P.

DESCRIPTORS - *AGRICULTURAL CHEMICAL OCCUPATIONS; *AGRICULTURAL EDUCATION; BIBLIOGRAPHIES; *PLANT GROWTH; POST SECONDARY EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - ONE OF A SERIES DESIGNED TO ASSIST TEACHERS IN PREPARING POST-SECONDARY STUDENTS FOR AGRICULTURAL CHEMICAL OCCUPATIONS, THIS MODULE IS SPECIFICALLY CONCERNED WITH CHEMICALS AS PLANT REGULATORS. IT WAS DEVELOPED BY A NATIONAL TASK FORCE ON THE BASIS OF DATA FROM STATE STUDIES. SECTIONS INCLUDE -- (1) CHEMICALS AS MODIFIERS OF PLANT GROWTH, (2) TERMINOLOGY AND COMPUTATION, (3) SITUATIONAL AND ECONOMIC CONSIDERATIONS IN USE OF PLANT REGULATORS, (4) CHEMICALS USED AS PLANT REGULATORS, (5) PLANT MODIFICATION PRINCIPLES AND CONCEPTS, (6) PLANT MODIFICATION SKILLS, AND (7) LAWFUL HANDLING, TRANSPORTATION, STORAGE, AND APPLICATION OF CHEMICALS. SUGGESTIONS ARE GIVEN FOR INTRODUCTION OF THE MODULE. RECOMMENDED SUBJECT MATTER, TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL AIDS, AND REFERENCES ARE GIVEN FOR EACH SECTION. THE MATERIAL IS DESIGNED FOR 24 HOURS OF CLASS INSTRUCTION, 36 HOURS OF LABORATORY EXPERIENCE, AND 60 HOURS OF OCCUPATIONAL EXPERIENCE. TEACHERS SHOULD HAVE AGRICULTURAL CHEMICAL EXPERIENCE. STUDENTS SHOULD HAVE POST-HIGH SCHOOL STANDING, APTITUDE IN CHEMISTRY, AND AN OCCUPATIONAL GOAL IN THE INDUSTRY. THIS DOCUMENT IS AVAILABLE FOR A LIMITED PERIOD FOR $6.75 PER SET (VT 001 214 - 001 222) FROM THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, 980 KINNEAR ROAD, COLUMBUS, OHIO 43212. (JM)

VT 001 230   ED 016 037
FITTS, JAMES ; JOHNSON, JOHNNY
NURSERY WORKER, TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
PUB DATE -   66 343P.

DESCRIPTORS - ANSWER KEYS; COOPERATIVE EDUCATION; GRADE 11; GRADE 12; GREENHOUSES; *NURSERY WORKERS (HORTICULTURE); *ORNAMENTAL HORTICULTURE; *STUDY GUIDES; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST IN THE PREPARATION OF VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION STUDENTS OVER 16 YEARS OF AGE AS NURSERY WORKERS. IT WAS DEVELOPED BY A COMMITTEE OF VOCATIONAL AGRICULTURE TEACHERS WITH ASSISTANCE FROM SUBJECT MATTER SPECIALISTS. UNITS ARE (1) INTRODUCTION TO HORTICULTURE, (2) CONSTRUCTING, MAINTAINING, AND USING STRUCTURES THAT AID PLANT GROWTH, (3) PLANT GROWING MEDIA, (4) PLANT GROWTH AND CLASSIFICATION, (5) PLANT PROPAGATION, (6) NURSERY PLANT PRODUCTION, (7) FLORAL CROP PRODUCTION, (8) ESTABLISHING AND CARING FOR LAWNS, (9) CONTROLLING PLANT INSECTS, PLANT DISEASES, AND OTHER PESTS, (10) OPERATING AND MAINTAINING HORTICULTURAL EQUIPMENT, (11) DEVELOPING AND MAINTAINING THE LANDSCAPE, AND (12) MERCHANDISING HORTICULTURAL PLANTS AND SUPPLIES. INFORMATION SHEETS, ASSIGNMENT SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND ANSWER SHEETS FOR EACH UNIT ARE INCLUDED. THE TIME REQUIRED IS 180 DAYS. THIS DOCUMENT IS AVAILABLE FOR $4.50 FROM AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843. (JM)

VT 001 234
MCGHEE, CLAUDE
EFFICIENCY FACTORS AND PRODUCTION GOALS FOR VOCATIONAL AGRICULTURE ENTERPRISES IN WEST VIRGINIA.

WEST VIRGINIA UNIV., MORGANTOWN. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JAN63 38P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *AGRICULTURAL PRODUCTION; *FARM ACCOUNTS

ABSTRACT - THE EFFICIENCY FACTORS AND PRODUCTION GOALS PRESENTED ARE FOR USE BY VOCATIONAL AGRICULTURE TEACHERS AND OTHER AGRICULTURAL PERSONNEL. THEY MAY BE USED AT HIGH SCHOOL, YOUNG FARMER, AND ADULT FARMER LEVELS BECAUSE ALL THREE GROUPS ARE CONCERNED WITH FARM MANAGEMENT AND AGRICULTURAL PRODUCTION. THE AUTHOR CONSULTED WITH AGRICULTURAL COLLEGE STAFF MEMBERS IN DEVELOPING THE MATERIAL. SUGGESTIONS FOR USING THE INFORMATION, SETTING PRODUCTION GOALS, AND ANALYZING THE RECORDS, AND A DEFINITION OF TERMS ARE PROVIDED. EFFICIENCY FACTOR TABLES AND OTHER INFORMATION ARE GIVEN FOR THE FOLLOWING ENTERPRISES: BABY CHICK AND LAYING HEN, BROILER, BEEF CATTLE, SHEEP, DAIRY CATTLE, CROP, AND POTATO. A LIST OF FACTORS AFFECTING DIFFERENT ENTERPRISES, A COMPARATIVE ANALYSIS OF ENTERPRISES, AN ANALYSIS OF THE 1959 COUNTY AGRICULTURE CENSUS, AND INSTRUCTIONS FOR A FARM COMPARISON ANALYSIS ARE INCLUDED. (JM)

VT 001 238
CLARK, RAYMOND M., AND OTHERS
SOURCE UNITS FOR THE DAIRY ENTERPRISE. AGRICULTURAL EDUCATION SOURCE UNITS, NUMBER 1.

MICHIGAN STATE UNIV., EAST LANSING. BUREAU OF EDUCATIONAL RESEARCH
PUB DATE - JUL64 95P.

DESCRIPTORS - *RESOURCE MATERIALS; *RESOURCE UNITS; *VOCATIONAL AGRICULTURE; *DAIRYMEN; *AGRICULTURAL PRODUCTION; SECONDARY GRADES; TEACHING GUIDES; TEACHING TECHNIQUES

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST AND TECHNICAL EXPERTS, THESE SOURCE UNITS PROVIDE HIGH SCHOOL VOCATIONAL AGRICULTURE INSTRUCTORS WITH SUGGESTIONS FOR TEACHING COURSES IN DAIRY PRODUCTION. MAJOR OBJECTIVES, UNDERSTANDINGS, CONCEPTS, AND ABILITIES TO BE DEVELOPED ARE PROVIDED FOR EACH UNIT AS WELL AS BASIC PRINCIPLES, FACTORS FOR CONSIDERATION, SUGGESTED LEARNING EXERCISES AND ACTIVITIES, QUESTIONS, AND PROBLEMS TO BE SOLVED. THE UNIT TOPICS ARE: (1) FEEDING DAIRY CATTLE, (2) DISEASE CONTROL, (3) UNDERSTANDING THE RUMINANT, (4) DAIRY HERD IMPROVEMENT, (5) RAISING DAIRY CALVES, (6) HOUSING, AND (7) MILKING EQUIPMENT AND SYSTEMS. THE UNITS PROVIDE A NUMBER OF SUGGESTIONS FOR USING ADDITIONAL RESOURCE MATERIALS. A BIBLIOGRAPHY OF BOOKS, BULLETINS, AND FILMS IS INCLUDED. (AW)

VT 001 262
AGRICULTURAL COURSES FOR AREA VOCATIONAL-TECHNICAL SCHOOLSL.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG
PUB DATE - 65 15P.

DESCRIPTORS - *CURRICULUM GUIDES; CURRICULUM; *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; *AREA VOCATIONAL SCHOOLS

ABSTRACT - INFORMATION NEEDED IN PLANNING AGRICULTURAL COURSES FOR AREA AND VOCATIONAL-TECHNICAL SCHOOLS FOR USE BY AGRICULTURAL TEACHERS AND SCHOOL ADMINISTRATORS IS PRESENTED. IT WAS DEVELOPED BY A COMMITTEE OF SUPERVISORS AND TEACHER EDUCATORS. COURSE OUTLINES, AND UNIT TIME ALLOTMENTS FOR GRADES 10, 11, AND 12 ARE GIVEN FOR THE (1) SPECIALIZED COURSES LANDSCAPE HORTICULTURE AND AGRICULTURAL MACHINERY AND EQUIPMENT SALES AND SERVICE AND FOR THE (2) DIVERSIFIED COURSES AGRICULTURAL BUSINESS AND PRODUCTION AGRICULTURE. AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH STUDENTS ENROLLED IN OFF-FARM AGRICULTURAL OCCUPATIONS AND PRODUCTION AGRICULTURE COURSES OFFERED BY AREA TECHNICAL SCHOOL AGRICULTURAL PROGRAMS. A FACILITIES LAYOUT AND EQUIPMENT LIST ARE INCLUDED. (WB)

VT 001 263
LOVE, GENE M.
OUTLINES FOR PREPARING. 1. A COURSE OF STUDY IN VOCATIONAL AGRICULTURE, 2. A TEACHER'S UNIT PLAN. (TEACHER EDUCATION SERIES, VOL. 4, NO. 6).

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - 63 8P.

DESCRIPTORS - *CURRICULUM DEVELOPMENT; *CURRICULUM GUIDES; *RESOURCE UNITS; *VOCATIONAL AGRICULTURE

ABSTRACT - RESPONSIBILITIES OF THE TEACHER IN DEVELOPING A COURSE OF STUDY ARE OUTLINED AND SUGGESTIONS ARE GIVEN FOR INCORPORATING GENERAL OBJECTIVES, SCIENTIFIC CONTENT AREA, ENTERPRISE, AND UNIT PROBLEM AREAS. SPECIFIC DIRECTIONS ARE GIVEN FOR THE WRITING OF A TEACHER'S UNIT PLAN WHICH INCLUDES THE CURRENT COMMUNITY SITUATION, ADVANCE TEACHER PREPARATION, AND STUDENT LEARNING OBJECTIVES AND ACTIVITIES. (JM)

VT 001 268
VENABLE, BENNY MAC; HILL, DURWIN
AGRICULTURAL MACHINERY--EQUIPMENT. TEACHER'S COPY .

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
TEXAS EDUCATION AGENCY, AUSTIN
PUB DATE - 66 295P.

DESCRIPTORS - HIGH SCHOOLS; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS

ABSTRACT - THIS TEACHER'S GUIDE WAS DEVELOPED FOR CONDUCTING A UNIT IN AGRICULTURAL MACHINERY AND EQUIPMENT FOR HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS. IT WAS DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS AND TEACHER EDUCATORS. UNITS ARE (1) SOIL TILLAGE EQUIPMENT, (2) PLANTING EQUIPMENT, (3) CULTIVATION AND WEED CONTROL EQUIPMENT, (4) SPRAYERS AND DUSTERS, (5) FERTILIZER EQUIPMENT, (6) HARVESTING EQUIPMENT, AND (7) SPECIAL EQUIPMENT. ASSIGNMENT SHEETS, INFORMATION SHEETS, TOPIC TESTS, AND ANSWER SHEETS ARE INCLUDED FOR EACH UNIT. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS AND LINE DRAWINGS. REQUIRED AND SUPPLEMENTAL REFERENCES ARE LISTED FOR EACH UNIT. (DM)

VT 001 310 ED 016 043
GUIDELINES FOR VOCATIONAL AGRICULTURE .

MARYLAND STATE DEPT. OF EDUCATION, BALTIMORE
PUB DATE - SEP66 62P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; CURRICULUM; CURRICULUM DEVELOPMENT; *PROGRAM DEVELOPMENT; EDUCATIONAL OBJECTIVES; *GUIDELINES; *CURRICULUM GUIDES; AGRICULTURAL OCCUPATIONS
IDENTIFIERS - MARYLAND

ABSTRACT - AREAS OF TRAINING WHICH ARE OFFERED IN THE VOCATIONAL AGRICULTURE DEPARTMENTS OF MARYLAND ARE PRESENTED IN THIS DOCUMENT. AGRICULTURE TEACHERS AND ADVISORY GROUPS MAY SELECT AREAS OF TRAINING FROM THE TOPICAL OUTLINE OR ADD NEW AREAS AS NEEDED IN THE LOCAL INSTRUCTIONAL PROGRAM. PHILOSOPHY, SPECIFIC OBJECTIVES, GROUPS SERVED, AGRICULTURAL TRENDS AND CHANGES, AND CAREERS AND OCCUPATIONS AS BASES FOR COURSE PLANNING ARE DISCUSSED. BRIEF EXPLANATIONS OF THE COURSES, DIAGRAMS OF POSSIBLE COURSE FORMATS, AND TOPICAL COURSE OUTLINES ARE GIVEN FOR GRADES NINE THROUGH 12. SAMPLE COURSE OUTLINES ARE GIVEN FOR SPECIAL AREAS OF INSTRUCTION IN AGRICULTURAL CHEMICALS AND ORNAMENTAL HORTICULTURE. AN EXAMPLE OF LESSON PLANNING, SUGGESTED SUMMER PROGRAM ACTIVITIES AND REFERENCES ARE INCLUDED. (WB)

VT 001 312
WOODIN, RALPH J., ED.
TEACHING VOCATIONAL HORTICULTURE; A REPORT OF A WORKSHOP IN VOCATIONAL HORTICULTURE (OHIO STATE UNIVERSITY,NCOLUMBUS, OHIO, JUNE 15-JULY 1, 1966) .

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
PUB DATE - 66 112P.

DESCRIPTORS - TECHNICAL EDUCATION; *VOCATIONAL AGRICULTURE; *HORTICULTURE; *PROGRAM PLANNING; COMMUNITY SURVEYS; WORK EXPERIENCE; ADMISSION CRITERIA; OCCUPATIONAL GUIDANCE; PHYSICAL FACILITIES; *CURRICULUM; CURRICULUM PLANNING; ADULT VOCATIONAL EDUCATION; BIBLIOGRAPHIES

ABSTRACT - IN A 2-WEEK WORKSHOP, 28 TEACHERS ORGANIZED INTO 7 COMMITTEES TO CONSIDER THE OBJECTIVES, WAYS AND MEANS, AND PROCEDURES IN DEVELOPING, COORDINATING, AND OPERATING VOCATIONAL HORTICULTURE PROGRAMS. THE COMMITTEES STUDIED (1) COMMUNITY SURVEY TECHNIQUES TO DETERMINE NEEDS AND RESOURCES, (2) STUDENT SELECTION AND GUIDANCE, (3) OCCUPATIONAL EXPERIENCE, (4) FACILITY ADMINISTRATION, (5) LAND LABORATORY DEVELOPMENT AND MAINTENANCE, (6) CURRICULUM, AND (7) ADULT EDUCATION IN VOCATIONAL HORTICULTURE PROGRAMS. THE REPORT OF EACH COMMITTEE'S ACTIVITIES INCLUDES A STATEMENT OF PURPOSE, A RECOGNITION OF CONDITIONS, RECOMMENDATIONS OF PRACTICES AND PROCEDURES, WITH EXAMPLES, AND A BIBLIOGRAPHY. (JM)

VT 001 318
GREENHOUSES AND RELATED STRUCTURES. SLIDE SERIES SCRIPT .

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($9.50).
PUB DATE - 67 8P.2 SLIDES

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SLIDES; *GREENHOUSES; *ORNAMENTAL HORTICULTURE; *NURSERY WORKERS (HORTICULTURE); STRUCTURAL BUILDING SYSTEMS, HIGH SCHOOLS; GRADE 11; GRADE 12; BUILDING MATERIALS; BUILDING DESIGN

ABSTRACT - DEVELOPED AS A SLIDE SERIES WITH AN ACCOMPANYING SCRIPT IN GREENHOUSES AND RELATED STRUCTURES, THIS REFERENCE MATERIAL IS FOR AUDIOVISUAL CLASSROOM USE AS PART OF AN ORNAMENTAL HORTICULTURE UNIT FORR POTENTIAL GREENHOUSE WORKERS. CONTAINED IN THE SCRIPT ARE DESCRIPTIONS OF SLIDES RELATING TO GREENHOUSE FUNCTIONS, USES OF GREENHOUSES, GREENHOUSE SHAPES, COVERING MATERIALS, GREENHOUSE HEATING, VENTILATION AND COOLING, AND RELATED STRUCTURES. THE RECOMMENDED TIME ALLOTMENT FOR THIS 62-SLIDE SERIES IS ONE HOUR FOR GRADES 11 AND 12. TEACHERS SHOULD BE COMPETENT IN VOCATIONAL HORTICULTURE. THE DOCUMENT IS MIMEOGRAPHED. (DM)

VT 001 320
LEGG, OTTO
THE FARMER AND CREDIT. A TEACHER'S RESOURCE UNIT ON AGRICULTURAL FINANCE IN FARM MANAGEMENT. TEACHER EDUCATION SERIES, VOL. 4, NO. 3.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION.
PUB DATE - 63 29P.

DESCRIPTORS - *RESOURCE UNITS; TEACHING GUIDES; RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *CREDIT (FINANCE)

ABSTRACT - PREPARED BY A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION IN COOPERATION WITH THE FARM CREDIT BANKS OF BALTIMORE, THIS RESOURCE UNIT IS DESIGNED TO AID VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING A UNIT IN AGRICULTURAL FINANCE. LESSON GUIDES ARE PROVIDED FOR EIGHT PROBLEM AREAS: (1) THE MAN, (2) ALTERNATIVES, CONSEQUENCES AND GOALS IN AGRICULTURAL FINANCE, (3) COST OF CREDIT, (4) BUILDING AND MAINTAINING A GOOD CREDIT RATING, (5) FINANCIAL STATEMENT AND OTHER CREDIT INSTRUMENTS, (6) CREDIT, A TOOL OF PRODUCTION, (7) LONG TERM CREDIT--FARM LAND BANK ASSOCIATION, COMMERCIAL BANKS, INSURANCE COMPANIES AND INDIVIDUALS, AND (8) MAN, MONEY AND CREDIT. EACH PLAN PROVIDES CONTENT, OBJECTIVES, SUGGESTED PROCEDURES, QUESTIONS, SUGGESTED INDIVIDUAL SUPERVISION, AND REFERENCES. SEVERAL SAMPLE FORMS AND A REFERENCE LIST ARE INCLUDED. (AW)

VT 001 324
AGRICULTURAL SCIENCE AND MECHANICS; A GUIDE FOR PROVIDING INSTRUCTION FOR 10TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
PUB DATE - JUN65 54P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; GRADE 10; AGRICULTURAL ENGINEERING; SOIL SCIENCE; PLANT SCIENCE; AGRICULTURAL PRODUCTION; FARM MANAGEMENT; LEADERSHIP

ABSTRACT - THIS GUIDE IS FOR VOCATIONAL AGRICULTURE TEACHERS TO USE IN PLANNING AND CONDUCTING COURSES IN AGRICULTURAL SCIENCE AND MECHANICS ON THE 10TH-GRADE LEVEL. BRIEF INTRODUCTORY INFORMATION, OBJECTIVES OF THE COURSE, AND A SUGGESTED COURSE CALENDAR ARE FOLLOWED BY THESE EIGHT UNITS: (1) INTRODUCTION AND PLANNING, (2) AGRICULTURAL LEADERSHIP AND CITIZENSHIP, (3) AGRICULTURAL BUSINESS, (4) AGRICULTURAL CONSTRUCTION, (5) ANIMAL SCIENCE, (6) AGRICULTURAL MECHANICS, (7) SOIL SCIENCE, AND (8) PLANT SCIENCE. EACH UNIT PROVIDES SPECIFIC OBJECTIVES AND A TOPICAL OUTLINE COVERING PRINCIPLES TO BE TAUGHT OR COMPETENCIES TO BE DEVELOPED, SUGGESTED RESOURCES, SUGGESTED TEACHING-LEARNING ACTIVITIES, AND TEACHER NOTES. A BIBLIOGRAPHY AND SUGGESTIONS FOR SUPERVISED PRACTICE PROGRAMS ARE APPENDED. (AW)

VT 001 346
AGRICULTURAL CHEMICALS. A GUIDE FOR PROVIDING INSTRUCTION FOR 11TH OR 12TH GRADE VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF AGRICULTURAL EDUCATION
NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
PUB DATE - JUN64 37P.

DESCRIPTORS - *CURRICULUM GUIDES; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL CHEMICAL OCCUPATIONS; GRADE 11; GRADE 12; FERTILIZERS; HERBICIDES; INSECTICIDES; RODENTICIDES

ABSTRACT - THIS CURRICULUM GUIDE IS FOR TEACHER USE IN PLANNING AND CONDUCTING A 36-WEEK COURSE IN AGRICULTURAL CHEMICALS FOR GRADES 11 AND 12. TOPICAL OUTLINES COVERING SUBUNITS AND PROBLEM AREAS, PRINCIPLES TO BE TAUGHT AND/OR COMPETENCIES TO BE DEVELOPED, SUGGESTED RESOURCES, SUGGESTED TEACHING-LEARNING ACTIVITIES, AND TEACHER NOTES ARE PROVIDED FOR THE FOLLOWING MAJOR UNITS OF STUDY: (1) INTRODUCTION, ORIENTATION, AND GUIDANCE, (2) PLANT FOODS, (3) PESTICIDES, (4) AGRICULTURAL CHEMICAL CONTROLS, AND (5) EDUCATION AND CAREER OPPORTUNITIES. RECOMMENDED FACILITIES AND EQUIPMENT, SUGGESTIONS FOR SUPERVISED PRACTICE PROGRAMS, AND SUGGESTED REFERENCES INCLUDING TEXTS, SUPPLEMENTARY MATERIALS, AND AUDIOVISUAL AIDS ARE APPENDED. COURSES IN AGRICULTURAL SCIENCE AND MATHEMATICS AND GENERAL BIOLOGY ARE RECOMMENDED PREREQUISITES. (AW)

VT 001 370
BRISTOL, BENTON K.
FARM MECHANICS PLANS FOR VOCATIONAL AGRICULTURE--CATTLE, HOGS, SHEEP . TEACHER EDUCATION SERIES VOLUME 4 NUMBER 2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($0.50).
PUB DATE - 63 25P.

DESCRIPTORS - *STUDENT PROJECTS; *VOCATIONAL AGRICULTURE; *EQUIPMENT; HIGH SCHOOLS; CONSTRUCTION (PROCESS); *LIVESTOCK

ABSTRACT - CONSTRUCTION PLANS FOR SELECTED EQUIPMENT NEEDED IN CATTLE, HOG, AND SHEEP PRODUCTION ARE PRESENTED FOR USE BY HIGH SCHOOL STUDENTS IN BUILDING LIVESTOCK PROJECTS IN AGRICULTURAL MECHANICS. THE PLANS WERE SELECTED FROM A VARIETY OF SOURCES BY A COMMITTEE OF AGRICULTURE TEACHERS, AGRICULTURAL ENGINEERS, AND TEACHER EDUCATORS. PLANS ARE INCLUDED FOR A (1) GREEN FEEDING WAGON, RACK, HAY DRYING WAGON, HAY FEED RACK, PORTABLE FEED BUNKS, SELF-FEEDING

HAY WAGON, SILAGE AND GRAIN FEEDING TROUGH, SILAGE FEEDING WAGON RACK, AND WAGON UNLOADING DEVICE FOR CATTLE, (2) SELF FEEDER, WATERER, AND V-TROUGHS FOR HOGS, AND (3) COMBINATION LAMB BROODER AND EWE FEEDER FOR 12 SHEEP, AND HAY FEED RACK AND SELF FEEDER FOR SHEEP. EACH GIVES DETAILED DRAWINGS WITH DIMENSIONS, AND SOME INCLUDE A MATERIALS LIST. VOCATIONAL AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH AGRICULTURE STUDENTS WHO HAVE OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE AND ARE ENROLLED IN AGRICULTURAL MECHANICS COURSES. (WB)

VT 001 400
GRIFFIN, WARREN L.
TEACHING SHEEP PRODUCTION IN VOCATIONAL AGRICULTURE.

MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUN63 23P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; *SHEEP; *AGRICULTURAL PRODUCTION; LIVESTOCK; SECONDARY GRADES; *ANIMAL SCIENCE

ABSTRACT - ORIGINALLY DEVELOPED IN 1949 AND CONTAINING 17 UNITS, THIS MATERIAL HAS BEEN REVISED AND ORGANIZED INTO 6 UNITS OF SUBJECT MATTER. UNITS INCLUDE: (1) SELECTING AND PURCHASING BREEDING STOCK, (2) PROVIDING ADEQUATE HOUSING AND EQUIPMENT, (3) MANAGING AND CARING FOR ANIMALS DURING THE BREEDING SEASON, GESTATION PERIOD AND AT LAMBING TIME, (4) GROWING, FINISHING AND MARKETING LAMBS, (5) SHEARING, CARE FOR AND MARKETING WOOL, AND (6) CONTROLLING AND PREVENTING PARASITES AND DISEASES. EACH UNIT INCLUDES OBJECTIVES, MOTIVATIONAL FACTS, REFERENCES, PROBLEMS, STUDY QUESTIONS, AND TEACHING SUGGESTIONS. A LIST OF REFERENCES AND TEACHING AIDS IS INCLUDED. (JM)

VT 001 415
AYERS, LEWIS C.
SMALL GASOLINE ENGINES ; STUDENT HANDBOOK. TEACHER EDUCATION SERIES, VOLUME 7, NUMBER 1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.00).
PUB DATE - 66 73P.

DESCRIPTORS - *LABORATORY MANUALS; *TEXTBOOKS; *VOCATIONAL AGRICULTURE; *ENGINES; HIGH SCHOOLS

ABSTRACT - TECHNICAL INFORMATION, CLASSROOM AND LABORATORY EXERCISES, AND DEFINITIONS OF TERMS NEEDED IN THE STUDY AND OPERATION OF SMALL GASOLINE ENGINES ARE PRESENTED FOR USE BY HIGH SCHOOL STUDENTS AS TEXT AND REFERENCE MATERIAL. THEY WERE DEVELOPED UNDER INDIVIDUAL AUTHORSHIP BY A VOCATIONAL AGRICULTURE TEACHER WITH ASSISTANCE FROM TEACHER-EDUCATORS, TESTED, AND REVISED. AREAS COVERED ARE COMPRESSION, CARBURETION, IGNITION, MAINTENANCE, AND TROUBLE SHOOTING. THE TIME ALLOTMENT IS VARIABLE. TEACHERS WITH PREPARATION IN AGRICULTURAL MECHANICS OR ORNAMENTAL HORTICULTURE MAY USE THIS MATERIAL WITH STUDENTS WHO ARE MAJORING IN MECHANICS OR HORTICULTURE. PICTORIAL DIAGRAMS ARE INCLUDED. (WB)

VT 001 417
RELATED INSTRUCTION IN AGRICULTURAL OCCUPATIONS AND EMPLOYMENT EXPERIENCE, REPORT OF THE WORKSHOP IN AGRICULTURAL EDUCATION (AMES, JUNE 7-14, 1966).

IOWA STATE UNIV. OF SCIENCE AND TECHNOLOGY, AMES. DEPT. OF EDUCATION
PUB DATE - 66 112P.

DESCRIPTORS - *CURRICULUM GUIDES; *OFF FARM AGRICULTURAL OCCUPATIONS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; EMPLOYMENT OPPORTUNITIES; *COOPERATIVE EDUCATION; AGRICULTURAL SAFETY; HUMAN RELATIONS; SALESMANSHIP; BUSINESS SKILLS

ABSTRACT - TWENTY-SIX VOCATIONAL AGRICULTURAL TEACHERS, FOLLOWING STATE GUIDELINES FOR AGRICULTURAL OCCUPATIONS AND EMPLOYMENT EXPERIENCE PROGRAMS IN VOCATIONAL AGRICULTURE, DEVELOPED THE NINE MODULES INCLUDED IN THIS REPORT. THE MODULES ARE (1) AN OVERVIEW OF AGRICULTURAL INDUSTRY, (2) CAREER OPPORTUNITIES, (3) OCCUPATIONAL EXPERIENCE PROGRAM ORIENTATION, (4) SAFETY, (5) HUMAN RELATIONS, (6) AGRICULTURAL SALESMANSHIP, (7) BUSINESS ORGANIZATION AND FUNCTIONS, (8) BUSINESS PROCEDURES, AND (9) NEW AGRICULTURAL TECHNOLOGY DEVELOPMENTS. EACH MODULE CONSISTS OF AN INTRODUCTION, OBJECTIVES, RECOMMENDED TIME ALLOTMENT, COMPETENCIES TO BE TAUGHT, FOLLOWUP AND EVALUATION TECHNIQUES, REFERENCES, INSTRUCTIONAL MATERIALS, SUBJECT MATTER CONTENT, AND SPECIAL TEACHING-LEARNING ACTIVITIES. (JM)

VT 001 424
ORNAMENTAL HORTICULTURE ; A GUIDE FOR DEVELOPING THE INSTRUCTIONAL PROGRAM. SERIES B, MISC. NO. 37A.

ILLINOIS STATE BOARD OF VOCATIONAL EDUCATION AND REHABILITATION, SPRINGFIELD. VOCATIONAL AND TECH. ED. DIV.
PUB DATE - AUG66 43P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; HIGH SCHOOLS; JOB SKILLS; *PROGRAM GUIDES; CURRICULUM; COOPERATIVE EDUCATION

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHERS AND TEACHER EDUCATORS, THIS CURRICULUM GUIDE IS FOR USE IN DEVELOPING AN INSTRUCTIONAL PROGRAM IN ORNAMENTAL HORTICULTURE FOR HIGH SCHOOL STUDENTS. CONTENT INCLUDES: (1) PROBLEM AREAS OF ORIENTATION AND GUIDANCE, ARBORICULTURE, PLANT PROPAGATION, GREENHOUSE MANAGEMENT, NURSERY MANAGEMENT, HORTICULTURAL MECHANICS, TURF MANAGEMENT, LANDSCAPING, FLOWERS AND

ORNAMENTAL PLANTS, SOILS AND FERTILIZERS, GENERAL BUSINESS AND OFFICE SKILLS, SALES AND SERVICE, AND PRODUCT AND SERVICE INFORMATION, (2) A 4-YEAR PROGRAM OUTLINE CONTAINING AN INTRODUCTION TO ORNAMENTAL HORTICULTURE, ORNAMENTAL HORTICULTURE SCIENCE, ORNAMENTAL HORTICULTURE MECHANICS, AND ORNAMENTAL BUSINESS OPERATION, (3) A 2-YEAR PROGRAM OUTLINE FOR BASIC AND ADVANCED ORNAMENTAL HORTICULTURE, (4) SAMPLE TEACHING PLANS AND LABORATORY EXERCISES, AND (5) SUPERVISED ORNAMENTAL HORTICULTURE OCCUPATIONAL EXPERIENCE PROGRAMS WITH A SAMPLE TRAINING AGREEMENT AND COMPETENCIES NEEDED FOR A STUDENT TO LEARN IN THE WORK EXPERIENCE PROGRAM. SUPPLEMENTARY MATERIALS INCLUDE AN ORGANIZATIONAL FLOW CHART, GLOSSARY OF TERMS, SUGGESTED FACILITIES AND EQUIPMENT LIST, AND A REFERENCE LIST. (DM)

VT 001 432
CLARK, RAYMOND, AND OTHERS
DEMONSTRATIONS IN ORNAMENTAL HORTICULTURE AND PLANT SCIENCE.

MICHIGAN STATE UNIV., EAST LANSING. COLL. OF EDUCATION
PUB DATE - 66 71P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *DEMONSTRATIONS (EDUCATIONAL); *TEACHING GUIDES; PLANT PROPAGATION; PLANT SCIENCE; GLOSSARIES; BIBLIOGRAPHIES; ILLUSTRATIONS

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST IN COOPERATION WITH TECHNICAL AUTHORITIES AT MICHIGAN STATE UNIVERSITY, THESE EDUCATIONAL DEMONSTRATIONS MAY BE USED BY TEACHERS OR STUDENTS IN STUDYING THE PRINCIPLES OF PROPAGATION, PLANT GROWTH, AND THE EFFECT OF ENVIRONMENT ON PLANTS. DEMONSTRATIONS INCLUDE: (1) SEED SOWING, (2) SEED GERMINATION, (3) WATERING, (4) PROPAGATION OF BULBS, (5) POTTING AND TRANSPLANTING, (6) CONSTRUCTION AND PREPARATION OF PROPAGATING SYSTEMS, (7) MAKING CUTTINGS OF HERBACEOUS PLANTS. (8) ASEXUAL PROPAGATING AND GRAFTING, (9) FORCING BULBIOUS PLANTS, (10) THE USE OF SOIL AS CULTURE TO DETERMINE MINERAL NUTRIENTS OF PLANTS, (11) THE EFFECT OF LIGHT INTENSITY ON PLANT GROWTH, (12) THE EFFECT OF PHOTOPERIOD ON THE FLOWERING OF HERBACEOUS PLANTS, (13) THE EFFECT OF TEMPERATURE ON VEGETATIVE GROWTH, (14) THE EFFECT OF TEMPERATURE ON THE FLOWERING OF HERBACEOUS PLANTS, (15) GROWTH REGULATORS, (16) FERTILIZER APPLICATION, AND (17) PLANT BREEDING TECHNIQUES AND SEXUAL PROPAGATION. DEMONSTRATIONS MAY BE CONDUCTED IN A GREENHOUSE OR ON A CLASSROOM GROWING TABLE. OBJECTIVES, MATERIALS, PRECAUTIONS, PROCEDURES, AND APPLICATIONS ARE GIVEN FOR EACH DEMONSTRATION. THE DOCUMENT IS ILLUSTRATED WITH DRAWINGS AND PHOTOGRAPHS AND A BIBLIOGRAPHY AND GLOSSARY ARE APPENDED. (DM)

VT 001 438
PADILLA, NAPOLEON S.
TECHNIQUES OF WELDING., A SHORT COURSE IN WELDING PRACTICES. COURSE CONTENT GUIDE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LABORATORY
PUB DATE - JAN65 21P.

DESCRIPTORS - ADULT VOCATIONAL EDUCATION; *WELDING; *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; COMMUNITY COLLEGES

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR ADULTS IN WELDING. IT WAS DEVELOPED BY A CURRICULUM SPECIALIST AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES. THE COURSE OBJECTIVE IS TO TEACH THE VARIOUS PROCESSES USED FOR JOINING MATERIALS BY WELDING. SKILL AREAS INCLUDE OXYACETYLENE WELDING, ARC WELDING, FILLER METALS, GASES, CURRENTS, AND WELDABILITY OF METALS. THE DOCUMENT CONTAINS MATERIAL CONCERNING HISTORY AND DEFINITION, METAL IDENTIFICATION, HANDLING METALS, OXYACETYLENE WELDING AND CUTTING, AND ELECTRIC ARC WELDING. THE TEACHER FOR THIS 60-HOUR COURSE SHOULD BE A QUALIFIED WELDING INSTRUCTOR. A STUDENT SURVEY FORM AND REFERENCE AND VISUAL AID LISTS ARE INCLUDED AS SUPPLEMENTARY MATERIAL. (DM)

VT 001 448
BINKLEY, HAROLD
COURSE OF STUDY IN NONFARM AGRICULTURAL OCCUPATIONS (AGRICULTURAL-SUPPLY BUSINESSES--SALES AND SERVICE OCCUPATIONS) FOR REIDLAND HIGH SCHOOL DEPARTMENT OF VOCATIONAL AGRICULTURE.

KENTUCKY UNIV., LEXINGTON. DEPT. OF AGRICULTURAL EDUCATION.
PUB DATE - AUG65 190P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONA AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALESMANSHIP; GRADE 11; GRADE 12; COURSE OBJECTIVES; COURSE EVALUATION; COURSE CONTENT; INSTRUCTIONAL MATERIALS; BIBLIOGRAPHIC CITATIONS; EMPLOYMENT OPPORTUNITIES

ABSTRACT - TO HELP VOCATIONAL AGRICULTURE TEACHERS PREPARE STUDENTS FOR JOB ENTRY INTO OFF-FARM OCCUPATIONS IN AGRICULTURAL SUPPLY BUSINESSES, THIS COURSE OF INSTRUCTION WAS DEVELOPED AS A DEMONSTRATION PROGRAM BY STAFF OF THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF KENTUCKY. UNITS OF INSTRUCTION ARE: (1) OPPORTUNITIES IN AGRICULTURAL OCCUPATIONS, (2) ORIENTATION TO PROGRAM IN NONFARM AGRICULTURAL OCCUPATIONS, (3) ORGANIZATION OF DISTRIBUTIVE BUSINESSES, (4) AGRICULTURAL MATHEMATICS, (5) HUMAN RELATIONS, (6) STORE SKILLS, (7) SALESMANSHIP, (8) FEEDS, (9) SEEDS, (10) FERTILIZERS, AND (11) AGRICULTURAL CHEMICALS. INCLUDED IN EACH UNIT ARE REFERENCES, OBJECTIVES, TESTS, SELF-ANALYSIS FORMS, AND OTHER RELATED MATERIALS. APPENDED IS AN EVALUATION OF THE PROGRAM, INCLUDING QUESTIONNAIRES FOR TEACHERS, STUDENTS, AND EMPLOYERS. (GB)

VT 001 450
BURGETT, DONALD
SUGGESTED TEACHING DEMONSTRATIONS IN AGRICULTURAL MECHANICS .

STATE UNIV. OF NEW YORK, ITHACA. AGRICULTURAL EDUCATION DIV. AT CORNELL UNIV.
PUB DATE - JAN63 23P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; FARM MECHANICS (OCCUPATION); FARMERS; *AGRICULTURAL ENGINEERING; HIGH SCHOOLS; POST SECONDARY EDUCATION; YOUNG FARMER EDUCATION; *DEMONSTRATIONS (EDUCATIONAL)

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHERS, THESE TEACHING DEMONSTRATIONS IN AGRICULTURAL MECHANICS ARE FOR USE IN LESSON PLANNING BY VOCATIONAL AGRICULTURE TEACHERS TRAINED IN AGRICULTURAL MECHANICS. ADJUSTING VALVES, CALIBRATING GRAIN DRILLS, CARING FOR WEED SPRAYERS, FRAMING COMMON RAFTERS, OPERATING A CARBON ARC TORCH, PREPARING GRAIN DRILLS FOR STORAGE, REPLACING IGNITION POINTS, AND WINTERIZING COOLING SYSTEMS ARE THE EIGHT DEMONSTRATIONS INCLUDED. EACH DEMONSTRATION CONTAINS OBJECTIVES, MATERIALS NEEDED, TEACHER PREPARATION, INTRODUCTION, REFERENCES, DEMONSTRATION STEPS, AND SUGGESTIONS FOR FOLLOW-UP. APPROXIMATELY 1-1/2 HOURS PER DEMONSTRATION IS RECOMMENDED FOR STUDENTS OF AT LEAST 9TH GRADE LEVEL WITH A BASIC KNOWLEDGE OF MATHEMATICS, MECHANICS, AND FARMING. OPERATOR'S MANUALS SHOULD BE USED AS AN ADDITIONAL REFERENCE SOURCE. (DM)

VT 001 501
SUGGESTIONS FOR DEVELOPING COURSES OF STUDY IN AGRICULTURAL BUSINESS .

NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT
PUBLICATIONS DISTRIBUTION UNIT, STATE EDUCATION DEPARTMENT, ROOM 169, EDUCATION BUILDING, ALBANY, NEW YORK 12224 ($.50).
PUB DATE - 67 55P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; GRADE 11; GRADE 12; COOPERATIVE EDUCATION; DISTRIBUTIVE EDUCATION; *CURRICULUM DEVELOPMENT

ABSTRACT - DESIGNED BY BUSINESS AND AGRICULTURAL SPECIALISTS AND FIELD TESTED IN SIX HIGH SCHOOLS DURING 1965-1966, THIS CURRICULUM GUIDE IS FOR USE BY TEACHERS, SUPERVISORS, AREA DIRECTORS, AND SCHOOL ADMINISTRATORS IN PROGRAM PLANNING. SECTION I CONTAINS GUIDELINES ON COURSE DESCRIPTION, UNITS OF CREDIT AND SEQUENCES, RELATIONSHIPS TO OTHER COURSES, AND SUPERVISED OCCUPATIONAL EXPERIENCE. SECTION II, A SUGGESTED COURSE OF STUDY FOR AGRICULTURAL BUSINESS 3, INCLUDES: (1) ORIENTATION AND GUIDANCE, (2) SERVICING AND MAINTAINING A PLACE OF BUSINESS AND DEVELOPING COMMUNICATION SKILLS, (3) THE ORGANIZATION OF AGRICULTURAL BUSINESSES, (4) MERCHANDISING, (5) AGRICULTURAL SALESMANSHIP, (6) INTERNAL AGRICULTURAL BUSINESS RECORD KEEPING, (7) AGRICULTURAL PRODUCTS, SERVICES, AND MARKETING INFORMATION, (8) EMPLOYER-EMPLOYEE RELATIONSHIPS, (9) PERSONAL FINANCIAL PLANNING, AND (10) COMPUTATIONS IN AGRICULTURAL BUSINESS. THE SUGGESTED COURSE OF STUDY FOR AGRICULTURAL BUSINESS 4 IN SECTION III CONTAINS UNITS ON: (1) ORIENTATION AND GUIDANCE, (2) USING COMMUNICATION SKILLS AND OPERATING AN AGRICULTURAL BUSINESS, (3) PROVIDING INSURANCE FOR AGRICULTURAL BUSINESSES, (4) UNDERSTANDING AND PAYING TAXES, (5) FINANCE AND CREDIT IN AGRICULTURAL BUSINESSES, (6) PERSONNEL MANAGEMENT IN AGRICULTURAL BUSINESSES, (7) RECORD KEEPING MANAGEMENT, (8) LEGAL AND ETHICAL ASPECTS OF AGRICULTURAL BUSINESSES, (9) MERCHANDISING MANAGEMENT, AND (10) OWNING AND/OR OPERATING AN AGRICULTURAL BUSINESS. AGRICULTURAL BUSINESS 3 SHOULD BE ELECTED BY PUPILS INTERESTED IN PREPARING FOR ENTRY OCCUPATIONS AND AGRICULTURAL BUSINESS 4 BY THOSE SEEKING MANAGERIAL RESPONSIBILITY. (DM)

VT 001 510
TAYLOR, W.T.; HAMILTON, J. ROLAND
EXTENDING INSTRUCTION IN VOCATIONAL AND TECHNICAL EDUCATION IN AGRICULTURE TO OFF-FARM AGRICULTURAL OCCUPATIONS, REPORT OF A WORKSHOP IN AGRICULTURAL EDUCATION.

MISSISSIPPI STATE UNIV., STATE COLLEGE. DEPT. OF AGRICULTURAL EDUCATION
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
PUB DATE - FEB66 140P.

DESCRIPTORS - *COOPERATIVE EDUCATION; *VOCATIONAL AGRICULTURE; *PROGRAM DEVELOPMENT; AGRICULTURAL MACHINERY OCCUPATIONS; ORNAMENTAL HORTICULTURE OCCUPATIONS; AGRICULTURAL SUPPLY OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS; STUDENT PLACEMENT; *CURRICULUM GUIDES

ABSTRACT - UTILIZING THE APPROACH WHICH ASSUMES THAT EDUCATION IN THE SCIENCE AND TECHNOLOGY OF MODERN FARMING IS BASIC TO PREPARATION FOR RELATED OCCUPATIONS, THE TEACHERS AND CONSULTANTS IN A 3-WEEK WORKSHOP TYPE COURSE DEVELOPED THE MATERIALS IN THIS REPORT. THE PURPOSES AND JUSTIFICATION FOR INSTRUCTION IN OFF-FARM AGRICULTURE OCCUPATIONS ARE EXPLORED. THE ADVANTAGES TO STUDENTS, SCHOOLS, EMPLOYERS, AND COMMUNITIES OF EXTENDING VOCATIONAL AGRICULTURE TO OFF-FARM AGRICULTURAL OCCUPATIONS ARE LISTED. OUTLINES OF STEPS AND DETAILED PROCEDURES ARE PROVIDED FOR INITIATING, ORGANIZING, AND ESTABLISHING PROGRAMS. AREAS OF INSTRUCTION AND TRAINING ACTIVITIES ARE OUTLINED FOR (1) GARDEN CENTER, NURSERY, GREENHOUSE ROADSIDE DEVELOPMENT, AND LANDSCAPING IN THE ORNAMENTAL HORTICULTURE CURRICULUM, (2) MANAGERIAL, MECHANICAL, SALES AND SERVICE JOBS IN THE AGRICULTURAL MECHANICS CURRICULUM, AND (3) FEED MILL, FARM STORE, CHEMICAL, AND SERVICE JOBS IN THE AGRICULTURAL SUPPLY CURRICULUM. SECTIONS ARE INCLUDED ON PROVIDING OCCUPATIONAL EXPERIENCES, TEACHING RELATED INSTRUCTION, SELECTING TRAINING STATIONS, AND SELECTING STUDENTS FOR TRAINING STATION PLACEMENT. A SUMMARY OF THE MISSISSIPPI CHILD LABOR LAW, STANDARDS AND PROVISIONS FOR STUDENT-LEARNER CERTIFICATES, A LIST OF AGRICULTURAL

OCCUPATIONS OTHER THAN FARMING AND RANCHING, AND VARIOUS FORMS TO BE USED IN TRAINING PROGRAMS ARE INCLUDED. (JM)

VT 001 539
AN AID TO THE IDENTIFICATION OF 60 OHIO PLANTS.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.75).
PUB DATE - 66 29P.

DESCRIPTORS - *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FARM OCCUPATIONS; FORAGE CROPS; WEEDS; *PLANT IDENTIFICATION; GRADE 9; GRADE 10; UNIT OF STUDY (SUBJECT FIELDS)

ABSTRACT - NINTH AND TENTH GRADE VOCATIONAL AGRICULTURE STUDENTS WHO ARE INTERESTED IN FARMING OR AGRONOMY IN THE MIDWESTERN UNITED STATES CAN USE THIS IN LEARNING TO IDENTIFY 60 COMMON OHIO PLANTS. IT WAS DEVELOPED THROUGH MODIFICATION OF A TEACHER'S INITIAL WORK AFTER STUDENT USE AND CONSIDERATION BY TEACHERS AND AGRONOMISTS. THE VARIETIES OF LEGUMES, WEEDS, AND GRASSES ARE EACH DESCRIBED BY COMMON NAME, BOTANICAL NAME, DISTINGUISHING FEATURES, AND A SKETCH OF THE PLANT. IT IS INTENDED FOR ABOUT 10 HOURS OF STUDY. A GLOSSARY OF PLANT PARTS IS INCLUDED. A STUDY GUIDE, "FUNDAMENTALS OF PLANT IDENTIFICATION," AND A SERIES OF 79 COLOR SLIDES "SOME COMMON CROP AND WEED PLANTS," ARE NECESSARY FOR EFFICIENT UTILIZATION OF THIS MATERIAL. (JM)

VT 001 562
HUTSON, DENVER B.
TEACHING AGRICULTURAL MECHANICS. A GUIDE FOR TEACHERS OF VOCATIONAL AGRICULTURE FOR DEVELOPING A COURSE OF STUDY IN VOCATIONAL AGRICULTURE I . MONOGRAPH-63.

ARKANSAS UNIV., FAYETTEVILLE. DEPT. OF VOCATIONAL TEACHER EDUCATION

PUB DATE - JUN63 126P

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *STUDENT PROJECTS; *FARM MECHANICS (OCCUPATION); GRADE 9; GRADE 10: EDUCATIONAL EQUIPMENT

ABSTRACT - DEVELOPED FOR USE IN TEACHING BASIC SKILLS IN THE VOCATIONAL AGRICULTURE LABORATORY, THIS TEACHER'S GUIDE IS FOR USE WITH 9TH OR 10TH GRADE STUDENTS IN AN AGRICULTURAL MECHANICS OCCUPATIONAL CLUSTER. THE CONTENT INCLUDES UNITS ON (1) LETTERING AND DRAWING, (2) WOODWORKING, (3) SHEET METAL, (4) FINISHING, PAINTING, AND GLAZING, (5) TOOL FITTING, (6) ELECTRICITY, (7) CONCRETE, AND (8) ARC WELDING. SUPPLEMENTARY MATERIALS INCLUDE PLANS FOR 8 ELECTIVE PROJECTS, SUGGESTIONS FOR SMALL GROUP INSTRUCTION, A PROGRESS RECORD CHART, SUGGESTIONS FOR DEMONSTRATION EVALUATION, A COURSE CALENDAR, A SUGGESTED TOOL LIST, A SUGGESTED ORIENTATION UNIT, AND A LIST OF SELECTED REFERENCES. THE TEACHER FOR THIS 80-HOUR UNIT SHOULD BE SKILLED IN MECHANICS AND USE ADDITIONAL SUPPLEMENTAL MEDIA. (DM)

VT 001 571
VOCATIONAL AGRICULTURE COURSE OF STUDY GUIDE.

UTAH STATE DEPT. OF PUBLIC INSTRUCTION, SALT LAKE CITY
PUB DATE - 63 118P.

DESCRIPTORS - *CURRICULUM GUIDES; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; SECONDARY GRADES; *AGRICULTURAL ENGINEERING; AGRICULTURAL PRODUCTION; FARM MANAGEMENT; AGRONOMY; SUPERVISED FARM PRACTICE; LIVESTOCK

ABSTRACT - PREPARED BY A COMMITTEE OF VOCATIONAL AGRICULTURE TEACHERS AND STATE STAFF, THIS CURRICULUM GUIDE IS FOR TEACHER USE IN PLANNING AND IMPLEMENTING HIGH SCHOOL VOCATIONAL AGRICULTURE PROGRAMS IN UTAH. EMPHASIZING BOTH THE SCIENTIFIC APPROACH IN TEACHING VOCATIONAL AGRICULTURE AND THE PRACTICAL APPROACH OF STUDENT AND TEACHER ACTIVITIES IN THE FIELD, THE GUIDE TOUCHES BRIEFLY ON MOST MAJOR AND MANY SECONDARY FARM ENTERPRISES OF THE STATE. BRIEF INTRODUCTORY MATERIAL COVERS THE HISTORY OF VOCATIONAL AGRICULTURE, THE PHILOSOPHY AND OBJECTIVES OF THE PROGRAM, METHODS OF TEACHING, AND AN EXPLANATION OF THE CONTENTS, FOLLOWED BY SUGGESTED TOPICAL OUTLINES FOR VOCATIONAL AGRICULTURE I, II, III, AND IV, AND AGRICULTURAL MECHANICS I, II, AND III, LISTING AREAS OF INSTRUCTION, LEVEL OF COURSE, AND TOTAL DAYS ALLOTED PER AREA. THE MAJOR PORTION OF THE MANUAL CONSISTS OF DETAILED UNITS OF INSTRUCTION FOR EACH COURSE, PROVIDING CONTENT, HOURS, SUGGESTED STUDENT ACTIVITIES, TEACHER ACTIVITIES AND DEMONSTRATIONS, AND RECOMMENDED REFERENCES, FILMS, FILMSTRIPS, AND OTHER RESOURCES. SOURCES FROM WHOM RESOURCE AND REFERENCE MATERIALS MAY BE OBTAINED ARE ALSO LISTED. (AW)

VT 001 589 ED 018 594
MARTIN, W. HOWARD, AND OTHERS
TEACHER'S GUIDE FOR THE EFFECTIVE USE OF "RECORDS OF SUPERVISED OCCUPATIONAL EXPERIENCE AND TRAINING IN VOCATIONAL AGRICULTURE" .

FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202 ($0.50).
PUB DATE - 64 12P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *COOPERATIVE EDUCATION; *WORK EXPERIENCE; *RECORDKEEPING; *TEACHING GUIDES

ABSTRACT - A NATIONAL COMMITTEE OF TEACHERS, TEACHER EDUCATORS, AND SUPERVISORS DEVELOPED THIS TEACHER'S GUIDE TO THE "RECORDS OF SUPERVISED OCCUPATIONAL EXPERIENCE AND TRAINING IN VOCATIONAL AGRICULTURE" (VT 001 592). THE FEATURES, STUDENTS, PRINCIPLES, AND PROCEDURES OF THE EXPERIENCE PROGRAM ARE DISCUSSED. SPECIFIC DIRECTIONS AND SAMPLE ENTRIES FOR USING THE RECORD BOOK AND A

SAMPLE FORM OF A TEACHER'S RECORD OF STUDENTS ON PLACEMENT ARE PROVIDED. BOTH THIS DOCUMENT AND VT 001 592 ARE AVAILABLE FOR 50 CENTS EACH FROM FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202. DISCOUNTS ON QUANTITY ORDERS ARE AVAILABLE. (JM)

VT 001 590
DUGAN, A.O.
GUIDE FOR USING THE VOCATIONAL AGRICULTURE RECORD BOOK FOR PRODUCTION AGRICULTURE .

FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202 ($0.25, PLUS POSTAGE, MINIMUM ORDER FOUR COPIES).
PUB DATE - 66 34P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; SUPERVISED FARM PRACTICE; *TEACHING GUIDES; *FARM ACCOUNTS; *RECORDKEEPING

ABSTRACT - THIS GUIDE ILLUSTRATES THE USE, EXPLAINS SELECTED FEATURES, AND PROVIDES GENERAL ASSISTANCE IN THE USE OF "THE VOCATIONAL AGRICULTURE RECORD BOOK FOR PRODUCTION AGRICULTURE" (VT 001 591), DEVELOPED IN 1965 BY A NATIONAL COMMITTEE. IT IS DESIGNED FOR USE BY TEACHERS IN PREPARING FOR AND TEACHING RECORD KEEPING AND ANALYSIS OR BY HIGH SCHOOL STUDENTS IN STUDYING SIMPLE ACCOUNTING, AND LEARNING RECORD KEEPING PROCEDURES AND RECORD ANALYSIS. "A BACKGROUND FOR FARM ACCOUNTING AND RECORD KEEPING" DISCUSSES THE IMPORTANCE OF RECORDS, KINDS AND SYSTEMS OF RECORDS, AND MEANINGS OF TERMS. "ILLUSTRATIONS OF RECORDS KEEPING AND ANALYSIS" REPRODUCES A COMPLETED RECORD BOOK, EXPLAINS THE ENTRIES AND PROCEDURES USED, AND SHOWS VARIATIONS WHICH MAY BE MADE FOR DIFFERENT STUDENTS. "EVALUATING SUCCESS IN A FARMING PROGRAM" EXPLAINS PROCEDURES FOR CALCULATING SELECTED KINDS OF FARM RETURNS FROM RECORDS INCLUDING NET CASH, NET CASH INCOME, NET FARM INCOME, LABOR INCOME, RETURNS PER HOUR OF LABOR, RETURNS TO CAPITAL AND MANAGEMENT, AND COSTS AND RETURNS FROM EACH ENTERPRISE. THE GUIDE PROVIDES SECTIONS WHICH ARE USEFUL FOR BOTH SIMPLE AND ADVANCED SUPERVISED FARMING PROGRAMS. (JM)

VT 001 591 ED 018 595
VOCATIONAL AGRICULTURE RECORD BOOK FOR PRODUCTION AGRICULTURE .

FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202 ($0.50, PLUS POSTAGE, MINIMUM ORDER FIVE COPIES).
PUB DATE - 66 33P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RECORDING; *FARM ACCOUNTS; RECORDS (FORMS); *SUPERVISED FARM PRACTICE

ABSTRACT - FORMS ARE PROVIDED FOR RECORDING FINANCIAL INFORMATION ABOUT SUPERVISED FARM PROGRAM ENTERPRISES BY INDIVIDUAL VOCATIONAL AGRICULTURE STUDENTS. THE BOOK IS DESIGNED ON AN ENTERPRISE BASIS AND PROVIDES SPACE FOR AGREEMENTS, INVENTORIES, EXPENSES, INCOME, SUMMARIES, AND ANALYSES. ASSISTANCE FOR TEACHERS USING THIS RECORD BOOK IS AVAILABLE IN "GUIDE FOR USING THE VOCATIONAL AGRICULTURE RECORD BOOK FOR PRODUCTION AGRICULTURE" (VT 001 590 - ED 011 084). THIS DOCUMENT IS AVAILABLE FOR FIVE COPIES FOR 50 CENTS (MINIMUM ORDER) PLUS POSTAGE, FROM FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202. (JM)

VT 001 592 ED 018 596
BURCROFF, WALTER, AND OTHERS
RECORDS OF SUPERVISED OCCUPATIONAL EXPERIENCE AND TRAINING IN VOCATIONAL AGRICULTURE .

FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202 ($0.50).
PUB DATE - 64 8P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *WORK EXPERIENCE; COOPERATIVE EDUCATION; *RECORDKEEPING; *RECORDS (FORMS)

ABSTRACT - HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS MAY KEEP RECORDS OF THEIR SUPERVISED OCCUPATIONAL EXPERIENCE IN THIS RECORD BOOK. DEVELOPED BY A NATIONAL COMMITTEE OF TEACHERS, SUPERVISORS, AND TEACHER EDUCATORS, IT PROVIDES SPACE FOR RECORDING ESSENTIAL PLANS, PLACEMENT AGREEMENTS, MONTHLY WORK EXPERIENCES, FINANCIAL SUMMARIES, ACTIVITIES, AND CONFERENCES. A TEACHER'S GUIDE IS ALSO AVAILABLE (VT 001 589). BOTH THIS DOCUMENT AND THE TEACHER'S GUIDE ARE AVAILABLE FOR 50 CENTS EACH FROM THE FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202. QUANTITY DISCOUNTS ARE AVAILABLE. (JM)

VT 001 637 ED 025 584
LANDSCAPE DESIGN. A STUDENT HANDBOOK . TEACHER EDUCATION SERIES 9. NO. 35.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEC-8-85-014 08
BR-5-0022
PUB DATE - 68 145P.

DESCRIPTORS - TEXTBOOKS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *LANDSCAPING; *ORNAMENTAL HORTICULTURE OCCUPATION; OCCUPATIONAL INFORMATION; PLANT SCIENCE; MANAGEMENT; SITE DEVELOPMENT; REFERENCE MATERIALS; EMPLOYMENT OPPORTUNITIES; JOB SKILLS

ABSTRACT - THIS STUDENT HANDBOOK IS ONE OF A SERIES OF INSTRUCTIONAL AIDS PREPARED AND EDITED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY. ITS ORGANIZATION AND CONTENT WAS FIELD TESTED, EVALUATED, AND IMPROVED BY VOCATIONAL AGRICULTURE TEACHERS ATTENDING SUMMER INSTITUTES IN ORNAMENTAL HORTICULTURE IN 1966 AND 1967. THE CONTENT INCLUDES SECTIONS OF: (1) OCCUPATIONAL OPPORTUNITIES IN LANDSCAPE DESIGN, (2) IMPORTANCE OF LANDSCAPING, (3) ANALYSIS OF LANDSCAPE REQUIREMENTS, (4) IDEAS FOR SOLVING LANDSCAPE PROBLEMS, (5) STRUCTURES AND PLANTS, AND (6) ESTIMATING LANDSCAPE COSTS. EACH PROBLEM AREA LISTS OBJECTIVES, KEY QUESTIONS, NEW WORDS, AND THE SUBJECT CONTENT. THE TEXTUAL MATERIAL IS SUPPLEMENTED WITH PHOTOGRAPHS, SKETCHES, DRAWINGS, FORMS, AND A REFERENCE LIST. APPENDIXES CONTAIN A PLANT MATERIAL LIST, LANDSCAPE SYMBOLS, INFORMATION FOR IDENTIFICATION AND CLASSIFICATION OF PLANT MATERIAL, AND ADDRESSES FOR AGRICULTURAL EXTENSION PUBLICATIONS. APPLICATIONS RELATE TO THE NORTHEASTERN UNITED STATES. THE TEACHER'S MANUAL IN THIS SERIES IS AVAILABLE AS VT 007 681. (DM)

VT 001 644
CLARK, RAYMOND M.; MEADERS, O. DONALD
FUNCTION APPROACH TO IDENTIFYING CURRICULAR CONTENT APPROPRIATE TO VOCATIONAL-TECHNICAL EDUCATION PROGRAMS .

MICHIGAN STATE UNIV., EAST LANSING. DEPT. OF SECONDARY EDUCATION AND CURRICULUM
RR-21
PUB DATE - MAR68 24P.

DESCRIPTORS - *CURRICULUM RESEARCH; *OFF FARM AGRICULTURAL OCCUPATIONS; *CURRICULUM DEVELOPMENT; *VOCATIONAL AGRICULTURE; RESEARCH REVIEWS (PUBLICATIONS); EDUCATIONAL NEEDS

ABSTRACT - A PROCESS FOR DETERMINING CONTENT TO DEVELOP TRAINING PROGRAMS FOR AGRICULTURAL BUSINESS AND INDUSTRY IS DESCRIBED. THE FUNCTION APPROACH IS GEARED TO THE IDENTIFICATION OF THE FUNCTIONS OF INDUSTRY WHICH MUST BE PERFORMED IN ORDER FOR IT TO BE SUCCESSFUL OR TO CONTINUE IN OPERATION: PROCESSING, TRANSPORTING, PURCHASING, SELLING, AND ACCOUNTING. THE ACTIVITIES NECESSARY FOR ACCOMPLISHING THE FUNCTIONS ARE THEN DETERMINED. THESE IN TURN, ARE USED AS A BASIS FOR IDENTIFYING THE COMPETENCIES NEEDED BY THE INDIVIDUALS WHO ARE EXPECTED TO PERFORM THE ACTIVITIES. THE FUNCTIONS AND ACTIVITIES OF AN INDUSTRY BECOME THE FOCAL POINT FROM WHICH CURRICULAR INPUTS ARE IDENTIFIED IN PLANNING VOCATIONAL-TECHNICAL EDUCATION PROGRAMS TO MEET THE NEEDS OF STUDENTS FOR SUCCESSFUL EMPLOYMENT IN THE INDUSTRY. SEVERAL STUDIES PERFORMED AT MICHIGAN STATE UNIVERSITY FROM 1958 TO 1967 DEVELOPED THE FUNCTIONS APPROACH FOR (1) NON-FARM AGRICULTURAL BUSINESS, (2) DAIRY EQUIPMENT INDUSTRY, (3) FEED INDUSTRY, (4) FARM EQUIPMENT, (5) GREENHOUSE INDUSTRIES, AND (6) AGRICULTURAL CHEMICAL INDUSTRY. THESE STUDIES ARE REVIEWED. (MM)

VT 001 657
VAUGHAN, GLENN A., COMP.
PLANT PROPAGATION CALENDAR .

CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. BUREAU OF AGRICULTURAL EDUCATION
CALIFORNIA UNIV., DAVIS. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUL65 16P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; ORNAMENTAL HORTICULTURE; ORNAMENTAL HORTICULTURE OCCUPATION; *PLANT PROPAGATION; *NURSERY WORKERS (HORTICULTURE)
IDENTIFIERS - CALIFORNIA

ABSTRACT - FOR USE IN A COURSE IN ORNAMENTAL HORTICULTURE, THIS STUDENT AND TEACHER REFERENCE CONTAINS PROPAGATION CALENDARS FOR GREENHOUSE CROPS; WOODY PLANTS; EVERGREENS; BULBS, CORMS, AND TUBERS; WATER PLANTS; ORCHIDS; AND CACTI. GENERAL INFORMATION CONCERNING PROPAGATION OF EVERGREENS, DECIDUOUS PLANTS, VINES, HARDY PERENNIALS, PALMS, AND FERNS AND A REFERENCE LIST ARE INCLUDED. (DM)

VT 001 659
HARTSOCK, PAUL W.
LIVESTOCK MARKETING.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($2.40).
PUB DATE - 66 124P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; *LIVESTOCK; *HIGH SCHOOLS; *MARKETING

ABSTRACT - THE PURPOSE OF THIS CURRICULUM GUIDE IS TO PROVIDE THE TEACHER WITH ASSISTANCE IN PLANNING LESSONS FOR A 30-HOUR LIVESTOCK MARKETING UNIT FOR HIGH SCHOOL PRODUCTION AGRICULTURE CLASSES. THE MATERIAL WAS DEVELOPED BY A VOCATIONAL AGRICULTURE TEACHER AFTER TRIAL IN CLASSES AND CONSIDERATION BY LIVESTOCK INDUSTRY REPRESENTATIVES AND EXTENSION SPECIALISTS. THE OBJECTIVES OF THE UNIT ARE TO DEVELOP-- (1) UNDERSTANDING OF MARKETING SERVICES, (2) REALIZATION OF THE NEED FOR MARKETING GRADES AND STANDARDS, (3) KNOWLEDGE OF PRICE-INFLUENCING FACTORS, (4) FAMILIARIZATION WITH TYPES OF MARKETING SYSTEMS, AND (5) KNOWLEDGE OF LOSS-REDUCING LIVESTOCK HANDLING PRACTICES. LESSON MATERIALS INCLUDE INTRODUCTION, BEEF CATTLE, SWINE, SHEEP, LIVESTOCK LOSSES, AND MARKET REPORTS DIVISIONS. STANDARDS, SEASONAL PRICE PATTERNS, AND FUTURES TRADING ARE COVERED FOR EACH CLASS OF LIVESTOCK. SUPPLEMENTAL MATERIALS, PRESENTED IN FOUR COLORS, INCLUDE REFERENCE ASSIGNMENTS AND MARKETING PROBLEMS. A LIST OF TEACHING AIDS, A GLOSSARY, AND A BIBLIOGRAPHY ARE INCLUDED. A PACKET OF RELATED PAMPHLETS FOR STUDENT USE IS AVAILABLE FOR $1.25. (JM)

VT 001 665
MARTIN, ROBERT R.
A HANDBOOK FOR PROSPECTIVE STUDENTS OF VOCATIONAL AGRICULTURE IN LOUISIANA. VO. AG. ED., NO. 12.

LOUISIANA STATE UNIV., NEW ORLEANS. SCHOOL OF VOCATIONAL EDUCATION
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
PUB DATE - AUG66 38P.

DESCRIPTORS - *ORIENTATION MATERIALS; *VOCATIONAL AGRICULTURE; *COURSE DESCRIPTIONS; *HIGH SCHOOLS; EDUCATIONAL COUNSELING

IDENTIFIERS - LOUISIANA

ABSTRACT - THIS HANDBOOK CONTAINS ORIENTATION INFORMATION FOR STUDENTS CONSIDERING ENROLLMENT IN VOCATIONAL AGRICULTURE. IT WAS DEVELOPED BY A GRADUATE STUDENT AT LOUISIANA STATE UNIVERSITY WITH ASSISTANCE FROM THE LOUISIANA STATE DEPARTMENT OF EDUCATION. INFORMATION IS PRESENTED ON (1) THE PURPOSES OF VOCATIONAL AGRICULTURE, (2) THE FOUR YEAR PROGRAM OF INSTRUCTION, (3) THE NEW PROGRAM OF NON-FARM AGRICULTURE, (4) THE IMPORTANCE OF PRODUCTION AGRICULTURE, (5) OCCUPATIONAL INFORMATION AND OPPORTUNITIES, (6) DEVELOPMENT OF OCCUPATIONAL SKILLS, (7) SUPERVISED EXPERIENCES AND RECORD KEEPING, (8) THE NEED OF STUDENT PLANNING, (9) THE FUNCTIONS OF GUIDANCE IN THE PROGRAM OF VOCATIONAL AGRICULTURE, AND (10) THE FUTURE FARMERS OF AMERICA ORGANIZATION. INCLUDED ARE THE STUDY PROGRAMS FOR THE FOUR YEARS OF VOCATIONAL AGRICULTURE AND A REFERENCE LIST OF MATERIALS USED TO COMPILE THE HANDBOOK. (DM)

VT 001 675
PESTICIDES ; A SHORT COURSE IN PESTICIDE TECHNOLOGY FOR DEALERS, HANDLERS, AND SALESMEN. COURSE CONTENT GUIDE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LABORATORY
PUB DATE - MAY64 25P.

DESCRIPTORS - *TEACHING GUIDES; CURRICULUM GUIDES; COMMUNITY COLLEGES; *AGRICULTURAL SUPPLY OCCUPATIONS; *AGRICULTURAL CHEMICAL OCCUPATIONS; *PESTICIDES; *AGRICULTURAL EDUCATION; ADULT VOCATIONAL EDUCATION

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR ADULTS IN PESTICIDE TECHNOLOGY. ITS OBJECTIVE IS TO IMPROVE THE EFFECTIVENESS OF RETAIL SALES PERSONNEL AND OTHERS WHO ADVISE FARMERS ON THE USE OF PESTICIDE CHEMICALS. THE COURSE OUTLINE COVERS (1) THE IMPORTANCE OF A THOROUGH KNOWLEDGE OF PESTICIDES, (2) KINDS OF PESTICIDES, (3) TERMS USED IN PESTICIDE WORK, (4) PROPER APPLICATION AND SAFETY MEASURES, (5) SOURCES OF PEST CONTROL INFORMATION, AND (6) SPECIFIC RECOMMENDATIONS FOR FIELD CROPS, ORNAMENTAL VEGETABLES, FRUIT CROPS, LIVESTOCK, PETS, AND HOUSEHOLD PESTS. THE TEACHER FOR THIS 30-HOUR COURSE SHOULD BE AN AGRICULTURAL COLLEGE GRADUATE WITH COURSE WORK IN PESTICIDES. SUGGESTIONS FOR COURSE ARRANGEMENT, RECOMMENDED REFERENCES AND A STUDENT SURVEY FORM ARE INCLUDED. (DM)

VT 001 682
SUPERVISED PRACTICE IN AGRICULTURAL OCCUPATIONS FOR STUDENTS OF VOCATIONAL AGRICULTURE. TEACHER'S GUIDE FOR DEVELOPING AN EFFECTIVE PROGRAM OF WORK EXPERIENCE IN AGRICULTURAL OCCUPATIONS.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
PUB DATE - OCT63 6P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *COOPERATIVE EDUCATION; *PROGRAM DEVELOPMENT; *PROGRAM GUIDES
IDENTIFIERS - SOUTH CAROLINA

ABSTRACT - USEFUL SUGGESTIONS CONCERNING SUPERVISED PRACTICE IN AGRICULTURAL OCCUPATIONS ARE GIVEN IN THIS GUIDE. THE PURPOSE, STUDENTS SERVED, AREAS OF TRAINING, HOURS OF EXPERIENCE, AND RESPONSIBILITY FOR SUPERVISION ARE EXPLAINED. SUGGESTIONS FOR STARTING THE PROGRAM ARE GIVEN IN THE FORM OF FIVE STEPS WHICH INCLUDE: (1) DETERMINING STUDENTS' NEEDS, (2) LOCATING TRAINING STATIONS, (3) APPROVING TRAINING STATIONS, (4) PLACING AND SUPERVISING STUDENTS. THE NECESSARY RECORDS ARE LISTED. (JM)

VT 001 697
CUSHMAN, HAROLD R.
PLANNING AND CARRYING OUT YOUR FFA CHAPTER PROGRAM OF ACTIVITIES . CORNELL MISCELLANEOUS BULL-53.

NEW YORK STATE COLL. OF AGRICULTURE, ITHACA
PUB DATE - JAN64 12P.

DESCRIPTORS - *YOUTH CLUBS; *PROGRAM PLANNING; *VOCATIONAL AGRICULTURE; PROGRAM DEVELOPMENT; *COCURRICULAR ACTIVITIES; *STUDENT ORGANIZATIONS; ACTIVITIES
IDENTIFIERS - FUTURE FARMERS OF AMERICA

ABSTRACT - INFORMATION ON FUTURE FARMERS OF AMERICA PROGRAM PLANNING PROVIDES SPECIFIC SUGGESTIONS FOR STATING AND RECORDING ACTIVITIES, GOALS, AND WAYS AND MEANS. CRITERIA FOR THE SELECTION OF ACTIVITIES ARE PROVIDED. METHODS AND STEPS FOR DEVELOPING THE PROGRAM ARE SUGGESTED. ACTIVITIES OF AWARD-WINNING FFA CHAPTERS ARE LISTED UNDER EACH OF THE MAJOR PROGRAM AREAS: (1) SUPERVISED FARMING, (2) COOPERATION, (2) COMMUNITY SERVICE, (4) LEADERSHIP, (5) EARNINGS AND SAVINGS, (6) CONDUCT OF MEETINGS, (7) SCHOLARSHIP, (8) RECREATION, (9) PUBLIC RELATIONS, AND (10) STATE AND NATIONAL ACTIVITIES. METHODS OF MAKING THE CHAPTER PROGRAM PLAN WORK, COMPETING IN CHAPTER CONTESTS, AND FINANCING CHAPTER ACTIVITIES ARE DESCRIBED. (JM)

VT 001 711 ED 022 942
HENSEL, JAMES W.
AGRICULTURAL PROGRAMS AT THE POST HIGH SCHOOL LEVEL ; SPECIAL REPORT PREPARED FOR THE PACIFIC REGIONAL SEMINAR IN AGRICULTURAL EDUCATION. (OLYMPIA, MAY 15-19, 1967).

OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION
PUB DATE - 19MAY67 92P.

DESCRIPTORS - *POST SECONDARY EDUCATION; *AGRICULTURAL EDUCATION; *DIRECTORIES; *TECHNICAL EDUCATION; *PROGRAM DESCRIPTIONS; AGRICULTURAL SUPPLIES; AGRICULTURAL MACHINERY; AGRONOMY; ANIMAL SCIENCE; NATURAL RESOURCES; AGRICULTURAL PRODUCTION; AGRICULTURAL TECHNICIANS

ABSTRACT - A GENERAL OVERVIEW OF POST-HIGH SCHOOL EDUCATION IN AGRICULTURE IS PRESENTED TO SHOW THE WIDE VARIETY OF PROGRAMS AND THEIR CURRICULAR STRUCTURE FOR USE BY SCHOOL ADMINISTRATORS. REPRESENTATIVE AGRICULTURAL PROGRAMS IN COMMUNITY COLLEGES, JUNIOR COLLEGES, VOCATIONAL AND TECHNICAL SCHOOLS, AREA SCHOOLS, AND IN SPECIALIZED TECHNICAL TRAINING PROGRAMS IN COLLEGES OF AGRICULTURE WERE SELECTED AND DESCRIBED FROM CATALOGUES AND BROCHURES SENT TO THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION FROM 60 SCHOOLS IN 20 STATES. PROGRAMS WERE CLASSIFIED INTO AREAS OF AGRICULTURAL MECHANICS, AGRICULTURAL BUSINESS, PLANT AND SOIL SCIENCE, ANIMAL SCIENCE, FORESTRY AND CONSERVATION, PRODUCTION AGRICULTURE, AND OTHER AGRICULTURE PROGRAMS. MOST INSTITUTIONS DESCRIBED A WIDE RANGE OF OPPORTUNITIES FOR HIGH SCHOOL GRADUATES IN ALL PHASES OF AGRICULTURALLY RELATED OCCUPATIONS. THE APPENDIXES CONTAIN COURSE DESCRIPTIONS BY STATE AND A 1966-67 DIRECTORY OF 1- AND 2-YEAR POST-HIGH SCHOOL INSTITUTIONS OFFERING PROGRAMS OF INSTRUCTION IN AGRICULTURE. (DM)

VT 001 752 ED 018 607
DEVELOPING CURRICULUM MATERIALS FOR COOPERATIVE EXPERIENCE PROGRAMS IN AGRICULTURE , AGRICULTURAL OCCUPATIONS INSTITUTE 1966 WORKSHOP REPORT (JUNE 6-JULY 15, 1966).

OKLAHOMA STATE UNIV., STILLWATER. RESEARCH FOUNDATION
PUB DATE - 66 256P.

DESCRIPTORS - *COOPERATIVE EDUCATION; HIGH SCHOOLS; *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; TESTS; AGRICULTURAL SUPPLY OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS; AGRICULTURAL MACHINERY OCCUPATIONS; ORNAMENTAL HORTICULTURE OCCUPATION; BIBLIOGRAPHIES; CURRICULUM; MARKETING; *TEACHING GUIDES; DISTRIBUTIVE EDUCATION

ABSTRACT - THIRTY VOCATIONAL AGRICULTURE TEACHERS FROM 11 STATES DEVELOPED THESE CURRICULUM MATERIALS FOR A 2-YEAR HIGH SCHOOL COOPERATIVE EXPERIENCE PROGRAM FOR OCCUPATIONS IN AGRICULTURAL SALES AND SERVICE, AGRICULTURAL MACHINERY, AND HORTICULTURE. A RATIONALE FOR CURRICULUM DEVELOPMENT, AN EXPLANATION OF THE CURRICULUM, AND AN EXPLANATION OF THE COOPERATIVE EXPERIENCE PROGRAM ARE PRESENTED. THE MAJOR AREAS OF THE CURRICULUM ARE (1) ORIENTATION AND HUMAN RELATIONS, (2) SALES AND SERVICE, (3) RECORDS AND CONTROL, (4) THE BUYING PROCESS, (5) ORGANIZATION AND MANAGEMENT, (6) CAREER OPPORTUNITIES IN AGRICULTURAL BUSINESS, (7) AGRICULTURAL SALES AND SERVICE, (8) AGRICULTURAL MACHINERY, AND (9) HORTICULTURE. EACH UNIT WITHIN AN AREA CONTAINS OBJECTIVES AND SUGGESTED TEACHING TIME, TEACHING TECHNIQUES, ORDER OF PRESENTATION, REFERENCES, AND EVALUATION METHODS. SUGGESTED PROJECTS FOR DIRECTLY RELATED MATERIALS, AN OUTLINE OF A PUBLIC RELATIONS PROGRAM, AND A LIST OF PUBLIC RELATIONS TOOLS DEVELOPED BY INSTITUTE MEMBERS ARE INCLUDED. (JM)

VT 001 852
FRIDLINE, CLARENCE P.
SEED PRODUCTION OF SOME COMMON FIELD CROPS .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.75).
PUB DATE - 66 69P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEXTBOOKS; HIGH SCHOOLS; *FIELD CROPS

ABSTRACT - THE PURPOSE OF THIS UNIT, WHICH IS FOR USE AS A STUDENT REFERENCE, IS TO PROVIDE ASSISTANCE AND DIRECTION IN THE STUDY OF SEED PRODUCTION FOR MAJOR GRAIN CROPS IN OHIO WHICH INCLUDE CORN, SOYBEANS, WHEAT, OATS, AND BARLEY. IT WAS DEVELOPED BY A TEACHER AFTER CLASS TRIAL AND CONSULTATION WITH AGRONOMISTS, TEACHERS, AND SEED ASSOCIATION REPRESENTATIVES. THE UNIT OBJECTIVES ARE TO DEVELOP APPRECIATION AND UNDERSTANDING OF THE IMPORTANCE OF SEEDS, LOSSES CAUSED BY POOR QUALITY SEED, CROP VARIETY DEVELOPMENT, CERTIFIED SEED PRODUCTION, OHIO SEED LAWS, AND ECONOMICAL PURCHASE OF SEEDS. THE MATERIALS WOULD BE APPROPRIATE FOR STUDENTS IN HIGH SCHOOLS AND AREA VOCATIONAL SCHOOLS WHO ARE PLANNING TO BE CROP FARMERS. THE SUGGESTED TIME ALLOTMENT IS 10 HOURS. REVIEW PROBLEMS, TEACHING AIDS, AND REFERENCES ARE LISTED. (JM)

VT 001 871
LINDSTROM, RICHARD S., AND OTHERS
GREENHOUSE PLANT PRODUCTION , A GUIDE FOR TEACHERS OF VOCATIONAL AGRICULTURE.
DEPARTMENT OF HORTICULTURE REPORT NO. 66-2.

MICHIGAN STATE UNIV., EAST LANSING
PUB DATE - JAN67 37P.

DESCRIPTORS - *TEACHING GUIDES; *GREENHOUSES; *ORNAMENTAL HORTICULTURE; *PLANT GROWTH; STUDENT PROJECTS; *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - THIS GUIDE FOR VOCATIONAL AGRICULTURE TEACHERS USING GREENHOUSE PROJECTS FOR INSTRUCTIONAL PURPOSES IN JUNIOR AND SENIOR HIGH AND POST-HIGH SCHOOL PROGRAMS AIMS TO DEVELOP (1) FAVORABLE STUDENT ATTITUDES TOWARD GREENHOUSE OPERATIONS, (2) UNDERSTANDINGS AND ABILITIES TO CONTROL ENVIRONMENTAL CONDITIONS IN THE GREENHOUSE, USE CHEMICALS APPROPRIATELY, AND KEEP RECORDS AND WRITE REPORTS OF GREENHOUSE PRODUCTION, AND (3) UNDERSTANDING OF THE ORGANIZATION AND OPERATION OF THE GREENHOUSE AS A UNIT AND OF THE INTERRELATIONSHIP OF THE FACTORS OF PRODUCTION. THE CONTENT INCLUDES QUESTIONS AND ANSWERS ABOUT GENERAL GREENHOUSE PRACTICES, GENERAL CROP CULTURE, COOL GREENHOUSE OPERATION, WARM GREENHOUSE OPERATION, AND GREENHOUSE SUPPLIERS. THE TEACHER SHOULD HAVE HAD A COURSE IN BASIC PLANT GROWTH PRINCIPLES AND STUDENTS A COURSE IN BIOLOGY. TEACHING SUGGESTIONS, FERTILIZER ANALYSES AND RECOMMENDED APPLICATION RATES, AND A BIBLIOGRAPHY ARE INCLUDED. (JM)

VT 001 877
BAIL, JOE P.; NELSON, A. GORDON
CHOOSING AN OCCUPATION, A GUIDE FOR HIGH SCHOOL STUDENTS.

NEW YORK STATE COLL. OF AGRICULTURE, ITHACA
CORNELL MISCELLANEOUS BUL-45
PUB DATE - JUN63 12P.

DESCRIPTORS - OCCUPATIONAL INFORMATION; INDIVIDUAL CHARACTERISTICS; *HIGH SCHOOL STUDENTS; *OCCUPATIONAL GUIDANCE; *OCCUPATIONAL CHOICE

ABSTRACT - THE PURPOSE OF THIS BULLETIN IS TO ASSIST HIGH SCHOOL STUDENTS IN CHOOSING AN OCCUPATION. IN PLANNING A CAREER, THE STUDENT SHOULD (1) ANALYZE HIS INDIVIDUAL INTERESTS, ABILITIES, VALUES, PERSONALITY, AND PHYSICAL CHARACTERISTICS, (2) INVESTIGATE DIFFERENT OCCUPATIONAL AND PROFESSIONAL REQUIREMENTS, AND (3) WEIGH INDIVIDUAL CHARACTERISTICS AGAINST THE DEMANDS OF THE OCCUPATION OR PROFESSION. A SELF-INVENTORY AND AN OCCUPATIONAL STUDY WORKSHEET ARE INCLUDED. (WB)

VT 001 879 ED 012 783
PLANK, HARRY
BUSINESS PROCEDURES USED IN THE AGRICULTURAL SERVICES.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
OHIO STATE UNIV., COLUMBUS.
AGDEX-875
PUB DATE - 66 172P.

DESCRIPTORS - *BUSINESS SKILLS; HIGH SCHOOLS; *OFF FARM AGRICULTURAL OCCUPATIONS; *VOCATIONAL AGRICULTURE; *WORKBOOKS
IDENTIFIERS - COLUMBUS

ABSTRACT - THE PURPOSE OF THIS WORKBOOK IS TO HELP VOCATIONAL AGRICULTURE STUDENTS WHO HAVE AN OCCUPATIONAL INTEREST IN OFF-FARM AGRICULTURE BUSINESS UNDERSTAND BASIC BUSINESS OPERATIONS. THE DOCUMENT WAS DEVELOPED BY A TEACHER WITH BUSINESS EXPERIENCE AFTER CONSULTATION WITH TEACHERS AND BUSINESSMEN AND WAS PUBLISHED AFTER ADVANCE COPIES WERE TRIED WITH CLASSES. THE EDUCATIONAL OBJECTIVES ARE TO HELP STUDENTS DEVELOP AN UNDERSTANDING OF BASIC BUSINESS PRINCIPLES IN FARM SUPPLY, PRINCIPLES OF BUSINESS ACCOUNTING, AND JOB OPPORTUNITIES AND REQUIREMENTS. SECTIONS INCLUDE--(1) FARM AND BUSINESS TYPES, (2) MERCHANDISE INVENTORY, (3) MERCHANDISE PRICING, (4) BUSINESS POLICY, (5) SALES TAX, (6) CUSTOMER BILLING, (7) STATEMENTS AND SERVICE CHARGES, (8) CASH BALANCE, (9) PURCHASE AND STORAGE, AND (10) A 1-MONTH PROBLEM. THE WORKBOOK INCLUDES SPECIFIC PROBLEM ASSIGNMENTS, EXAMPLES OF BUSINESS FORMS, AND TABLES. IT WOULD BE APPROPRIATE AS READING AND PROBLEM ASSIGNMENTS OVER A PERIOD OF 100 HOURS FOR VOCATIONAL AGRICULTURE STUDENTS OF GRADES 11 AND 12 WHO ARE ENGAGED IN BUSINESS WORK EXPERIENCE. THIS DOCUMENT IS ALSO AVAILABLE FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210, FOR $2.25. A TEST-ANSWER SUPPLEMENT IS AVAILABLE FROM THE SAME SOURCE FOR $2.00. (JM)

VT 001 903
JACKS, L.P.
BASIC SOCIAL AND EDUCATIONAL COMPETENCIES ESSENTIAL FOR INITIAL AND CONTINUED EMPLOYMENT IN AGRICULTURALNOCCUPATIONS .

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION
VO. AG. ED-13
PUB DATE - AUG66 71P.

DESCRIPTORS - REFERENCE BOOKS; *TEXTBOOKS; *EDUCATIONAL NEEDS; EMPLOYMENT QUALIFICATIONS; JOB APPLICATION; *AGRICULTURAL OCCUPATIONS; JOB SKILLS; *VOCATIONAL AGRICULTURE; HIGH SCHOOLS

ABSTRACT - SOCIAL AND EDUCATIONAL COMPETENCIES NEEDED IN AGRICULTURAL OCCUPATIONS ARE PRESENTED IN THIS REFERENCE DEVELOPED BY A GRADUATE STUDENT FOR HIGH SCHOOL STUDENTS. THE UNITS ARE (1) PERSONAL QUALITIES AND JOB SUCCESS WHICH DISCUSSES NONPHYSICAL QUALITIES SUCH AS ENTHUSIASM, HONESTY, AND DEPENDABILITY, AND PHYSICAL QUALITIES SUCH AS VOICE AND SPEECH, POISE AND GROOMING, AND TACT AND COURTESY, (2) BASIC EDUCATIONAL COMPETENCIES AND JOB SUCCESS WHICH CONSIDERS ENGLISH AND MATHEMATICS COMPETENCIES, AND KNOWLEDGE OF THE FREE ENTERPRISE SYSTEM, (3) JOB REQUIREMENTS WHICH DISCUSSES WORKING CONDITIONS, EMPLOYMENT CERTIFICATES, PROFESSIONAL ORGANIZATIONS, UNIONS, LICENSES, LAWS, AND BENEFITS, AND (4) JOB PROCUREMENT WHICH OUTLINES APPROPRIATE JOB PROCUREMENT PROCEDURES. THE MATERIAL WAS DESIGNED FOR STUDENT READING OVER A PERIOD OF 12 HOURS. A BIBLIOGRAPHY OF RELATED MATERIAL AND A SAMPLE APPLICATION BLANK ARE INCLUDED. (JM)

VT 001 911
A GUIDE FOR VOCATIONAL AGRICULTURE STUDENTS WITH OCCUPATIONAL OBJECTIVES IN DAIRY FARMING .

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE
VO-AG-ED-NO-15
AGRICULTURAL EDUCATION DEPARTMENT, LOUISIANA STATE UNIVERSITY, 204 FIELD HOUSE, BATON ROUGE, LOUISIANA 70803 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - NOV66 69P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *DAIRYMEN; *AGRICULTURAL PRODUCTION; MILK; HIGH SCHOOLS; CATTLE

ABSTRACT - DEVELOPED FOR USE AS A GUIDE FOR HIGH SCHOOL STUDENTS IN VOCATIONAL AGRICULTURE WHO ARE INTERESTED IN DAIRY FARMING AS A CAREER, THIS REFERENCE CONTAINS MAJOR UNITS OF: (1) ENTERING DAIRY FARMING,

(2) FINANCING A DAIRY ENTERPRISE, (3) ESTIMATED COST OF BEGINNING AN ECONOMICAL DAIRY OPERATION IN LOUISIANA, (4) INCOME THAT CAN BE EXPECTED FROM DAIRYING, (5) MILK PRODUCTION TRENDS, (6) THE AVAILABLE MARKETS FOR MILK PRODUCED IN LOUISIANA, (7) DAIRY PRODUCTS OUTLOOK, AND (8) RISKS INVOLVED IN THE DAIRY ENTERPRISE. SUPPLEMENTARY MATERIALS INCLUDE 11 TABLES, TWO CHARTS, A MAP DEPICTING LOUISIANA FLUID AND MANUFACTURING MILK MARKETS, AND A LIST OF SELECTED REFERENCES. (DM)

VT 001 941
HORSTMAN, H.C.
IS YOUR FUTURE IN VO-AG ? AGDEX-30/20.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
PUB DATE - 64 15P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *PROGRAM DESCRIPTIONS; *PUBLIC RELATIONS; EDUCATIONAL OPPORTUNITIES; EMPLOYMENT OPPORTUNITIES; AGRICULTURE; *CHARTS; *TRANSPARENCIES

ABSTRACT - SHELBY COUNTY, OHIO TEACHERS, AND REFINED BY A STATE CURRICULUM MATERIALS SPECIALIST. THE CHARTS ARE DESIGNED FOR USE IN EXPLAINING THE VOCATIONAL AGRICULTURE PROGRAMS TO HIGH SCHOOL STUDENTS, PARENTS, TEACHERS, AND COUNSELORS. THE CHARTS IN THIS PUBLICATION MAY BE PROJECTED BY AN OPAQUE PROJECTOR, PHOTOGRAPHED FOR SLIDES, PROCESSED AS TRANSPARENCIES, COPIED ON CHART PAPER, OR DUPLICATED BY THE SPIRIT MASTER PROCESS. THE CHART SERIES INCLUDES EXPLANATION OF THE IMPORTANCE OF AGRICULTURE, OCCUPATIONAL OPPORTUNITIES, EDUCATIONAL OPPORTUNITIES, AND SELECTED COUNTY DATA WHICH MAY BE ADJUSTED FOR A SPECIFIC COUNTY. A SURVEY FORM IS INCLUDED FOR COLLECTING DATA. (JM)

VT 001 951
FACTS ON FARMING IN OHIO , SELECTED COUNTY AND STATE INFORMATION FOR TEACHERS OF VOCATIONAL AGRICULTURE.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
PUB DATE - MAY66 30P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL TRENDS; HORTICULTURE; LAND USE; FARMERS; LIVESTOCK; *AGRICULTURAL PRODUCTION; AGRICULTURAL MACHINERY; INCOME; INDIVIDUAL CHARACTERISTICS; AGRICULTURAL SUPPLIES
IDENTIFIERS - CRAWFORD COUNTY; OHIO

ABSTRACT - DATA FROM THE 1964 U.S. CENSUS OF AGRICULTURE, "1964 OHIO FARM INCOME," AND "OHIO LABOR MARKET INFORMATION" ARE USED IN THIS ILLUSTRATED DOCUMENT DESIGNED TO ASSIST OHIO VOCATIONAL AGRICULTURE TEACHERS TO UNDERSTAND CHANGES IN FARMING IN THEIR COMMUNITIES. THE IMPORTANCE OF THE AGRICULTURAL INDUSTRY IN THE STATE AND IN CRAWFORD COUNTY IS PRESENTED. ADDITIONAL INFORMATION FOR CRAWFORD COUNTY INCLUDES (1) FARM NUMBER, SIZE, TYPE, LAND UTILIZATION, INCOME SOURCES, EXPENDITURES, PRODUCT SALES, (2) OPERATOR CHARACTERISTICS AND NONFARM INCOME, (3) LIVESTOCK PRODUCTION, (4) CROP ACREAGE, (5) HORTICULTURAL PRODUCTION, (6) FARM MECHANIZATION, AND (7) AGRICULTURAL CHEMICALS UTILIZATION. DATA ARE PRESENTED IN EACH SECTION IN TABULAR AND GRAPHIC FORM TO SHOW STATUS, COMPARISONS, AND TRENDS. (JM)

VT 001 952
CLEVENGER, RAY
TEACHING TECHNIQUES AND PROCEDURES USED IN CONDUCTING A FARM BUSINESS PLANNING AND ANALYSIS PROGRAM IN ADULT EDUCATION .

PUB DATE - 66 24P.

DESCRIPTORS - *ADULT FARMER EDUCATION; FARM ACCOUNTS; *FARM MANAGEMENT; *PROGRAM DEVELOPMENT; *TEACHING METHODS; PROGRAM DESCRIPTIONS; *COURSE DESCRIPTIONS

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO DESCRIBE ONE VOCATIONAL AGRICULTURE TEACHER'S TECHNIQUES IN ORGANIZING AND CONDUCTING A FARM BUSINESS PLANNING AND ANALYSIS PROGRAM FOR FARM OPERATORS. THE METHODS OF PROMOTING THE PROGRAM, SELECTING FARM COUPLES FOR ENROLLMENT, AND CONDUCTING THE FIRST FIVE MEETINGS ARE DESCRIBED IN DETAIL. EXAMPLES ARE INCLUDED OF CORRESPONDENCE WITH ENROLLEES, QUIZZES, CHARTS, AND FORMS. (JM)

VT 001 982
HOOSIER VOCATIONAL HORTICULTURE. COURSE IN TURF .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DEPT. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.75).
PUB DATE - OCT67 46P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *GROUNDS KEEPERS; *TURF MANAGEMENT; *ORNAMENTAL HORTICULTURE; ORNAMENTAL HORTICULTURE OCCUPATION ; EMPLOYMENT OPPORTUNITIES; HIGH SCHOOLS; AGRICULTURAL ENGINEERING; HUMAN RELATIONS; SITE DEVELOPMENT

ABSTRACT - DEVELOPED BY A GROUP OF HIGH SCHOOL VOCATIONAL TEACHERS, THIS GUIDE CONTAINS SUBJECT MATTER FOR PREPARATION OF HIGH SCHOOL STUDENTS FOR HORTICULTURAL PRODUCTION, MAINTENANCE, AND SERVICE OCCUPATIONS. IT MAY BE USED AS AN INTRODUCTORY OR VOCATIONAL COURSE BY TEACHERS COMPETENT IN VOCATIONAL AGRICULTURE, BOTANY, OR HORTICULTURE. SELECTED MODULES MAY BE EXTRACTED FROM THIS COURSE AND INCLUDED IN A VOCATIONAL AGRICULTURE CURRICULUM. THE MODULES ARE: (1) OPPORTUNITIES IN TURF AND LAWN OCCUPATIONS, (2) PREPARING THE TURF SITE, (3) ESTABLISHING TURF AND LAWNS, (4) MAINTAINING TURF AND LAWNS, (5) TURF EQUIPMENT OPERATION AND MAINTENANCE, AND (6) HUMAN RELATIONS IN TURF MANAGEMENT. EACH MODULE CONTAINS ITS MAJOR TEACHING OBJECTIVE, THE SUGGESTED TIME ALLOTMENT, SUGGESTED OCCUPATIONAL EXPERIENCES, LESSON TITLES, LESSON OBJECTIVES, DISCUSSION QUESTIONS, REFERENCES, AND SPECIAL LEARNING ACTIVITIES. THE TIME ALLOTMENT IS FLEXIBLE. SUPPLEMENTARY MATERIAL AVAILABLE FROM THE VOCATIONAL MATERIALS CENTER AT THE INDIANA STATE UNIVERSITY SHOULD BE USED WITH THIS COURSE. (DM)

VT 001 984
SAFETY UNITS. (FOR SHOP CLASSES) .

MINNESOTA UNIV., ST. PAUL. INST. OF AGRICULTURE
PUB DATE - 66 56P.

DESCRIPTORS - *STUDY GUIDES; *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *SCHOOL SHOPS; *SAFETY EDUCATION; INDUSTRIAL ARTS; ACCIDENT PREVENTION; HIGH SCHOOLS; POST SECONDARY EDUCATION; ACHIEVEMENT TESTS

ABSTRACT - SAFETY UNITS DEVELOPED BY UNIVERSITY STAFF MEMBERS AND VOCATIONAL AGRICULTURE TEACHERS FOR HIGH SCHOOL STUDENTS WERE TESTED BY TEACHERS, EVALUATED BY INDUSTRIAL ARTS PERSONNEL, AND REVIEWED BY A NATIONAL SAFETY COUNCIL MEMBER FOR USE IN VOCATIONAL AGRICULTURE, INDUSTRIAL ARTS, OR OTHER SHOP CLASSES AT THE HIGH SCHOOL OR POST-HIGH SCHOOL LEVEL. EACH UNIT CONTAINS A CLASS ASSIGNMENT, OPERATING FEATURES AND PARTS TO BE EXPLAINED OR DEMONSTRATED, CAUSES OF ACCIDENTS, TYPES OF INJURIES, SAFETY PRACTICES TO FOLLOW, AND A SAFETY TEST. SAFETY UNITS INCLUDED ARE FOR: (1) DRILL PRESS OPERATION, (2) ARC WELDING, (3) OXY-ACETYLENE WELDING, (4) JOINTERS OPERATION, (5) FIRE EXTINGUISHER OPERATION, (6) PORTABLE AND STATIONARY GRINDER OPERATION, (7) FUEL STORAGE, (8) SOLDERING AND SHEET METAL WORK, (9) GAS FORGE OPERATION, (10) ELECTRICAL WORK, (11) GENERAL SHOP WORK, (12) HAND TOOLS USE, AND (13) SAW USE. EACH SAFETY UNIT IS ASSEMBLED IN PADS OF 25 COPIES WITH THE UNIT COST VARYING FROM $1.50 TO $4.00 DEPENDING ON THE LENGTH OF THE UNIT. (DM)

VT 001 985
GRAY, AVERY, ED.; STROUSE, JOHN, ED.
HOOSIER VOCATIONAL HORTICULTURE. COURSE IN VOCATIONAL HORTICULTURE .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS CENTER, INDUSTRIAL EDUCATION DEPARTMENT, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.75).
PUB DATE - OCT67 51P.

DESCRIPTORS - *TEACHING GUIDES; *PLANT SCIENCE; *ORNAMENTAL HORTICULTURE OCCUPATION; *HORTICULTURE; *VOCATIONAL AGRICULTURE; EMPLOYMENT OPPORTUNITIES; ORNAMENTAL HORTICULTURE; SECONDARY GRADES

ABSTRACT - DEVELOPED BY HIGH SCHOOL VOCATIONAL TEACHERS, THIS GUIDE IS FOR INTRODUCTORY OR VOCATIONAL PROGRAMS INTENDED TO PREPARE STUDENTS FOR HORTICULTURE PRODUCTION, MAINTENANCE, AND SERVICE OCCUPATIONS. THE UNITS WERE DEVELOPED SO THEY COULD BE EXTRACTED FROM THIS COURSE AND INCLUDED IN THE VOCATIONAL AGRICULTURE CURRICULUM. THE TEACHING MODULES ARE: (1) OPPORTUNITIES IN HORTICULTURE, (2) LEARNING IDENTIFICATION OF PLANTS, (3) PROPAGATING PLANTS, (4) UNDERSTANDING THE PRINCIPLES OF PLANT GROWTH, (5) UNDERSTANDING THE CONTROL OF PLANT ENVIRONMENTAL FACTORS, (6) UNDERSTANDING PLANT PROCESSES, (7) USING GROWTH STIMULATING SUBSTANCES, AND (8) LEARNING TO ORGANIZE RECORDS AND EQUIPMENT. EACH MODULE CONTAINS A MAJOR TEACHING OBJECTIVE, SUGGESTED TIME ALLOTMENT, SUGGESTED OCCUPATIONAL EXPERIENCES, LESSONS, OBJECTIVES, DISCUSSION QUESTIONS, REFERENCES, AND SPECIAL LEARNING ACTIVITIES. THE TEACHER SHOULD BE COMPETENT IN VOCATIONAL AGRICULTURE, BOTANY, OR HORTICULTURE AND STUDENTS SHOULD BE INTERESTED IN ENTERING A JOB CLUSTER IN THE HORTICULTURE FIELD. ADDITIONAL RESOURCE MATERIAL AVAILABLE FROM THE VOCATIONAL INSTRUCTIONAL MATERIALS CENTER AT INDIANA STATE UNIVERSITY SHOULD BE USED WITH THIS COURSE. (DM)

VT 001 996
FINANCING FARMING ACTIVITIES.

FARM CREDIT BANKS OF LOUISVILLE, KY.
FARM CREDIT BANKS OF LOUISVILLE, P.O. BOX 239, LOUISVILLE, KENTUCKY 40201 ($.50).
PUB DATE - MAY63 66P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CREDIT (FINANCE); *TEXTBOOKS; FARM MANAGEMENT; FARMER COOPERATIVES; AGRICULTURAL PRODUCTION

ABSTRACT - AN OUTGROWTH OF A TEXTBOOK ENTITLED "AGRICULTURAL CREDIT" PUBLISHED IN 1947, THIS PUBLICATION WAS DEVELOPED IN CONSULTATION WITH TEACHER EDUCATORS BY FARM BANK PERSONNEL FOR USE IN VOCATIONAL AGRICULTURE CLASSES. IT INCLUDES AN INTRODUCTION AND CHAPTERS TITLED HOW THE FARMER USES CREDIT, FINANCING FARM PRODUCTION, FINANCING FARM OWNERSHIP, AND FINANCING FARM COOPERATIVES. THE TEXTUAL MATERIAL IS SUPPLEMENTED BY PHOTOGRAPHS, DRAWINGS, GRAPHS, AND SPECIMENS OF CREDIT INSTRUMENTS. A LIST OF RELEVANT MOVIES IS GIVEN. (JM)

VT 002 011
ESTABLISHMENT AND MAINTENANCE OF LAWNS.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.00, A SERIES OF 41 SLIDES IS AVAILABLE FOR $6.00).
PUB DATE - 65 56P.

DESCRIPTORS - *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *TURF MANAGEMENT; ADULT FARMER EDUCATION; HIGH SCHOOLS; BIBLIOGRAPHIES

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO PROVIDE ORGANIZED RESOURCE MATERIAL TO VOCATIONAL AGRICULTURE TEACHERS IN DEVELOPING A UNIT OF INSTRUCTION ON LAWN ESTABLISHMENT AND MAINTENANCE. IT WAS DEVELOPED BY THREE TEACHERS IN CONSULTATION WITH AN AGRONOMIST, EDITED BY A TEACHER EDUCATOR, AND TESTED WITH STUDENTS. SECTIONS IN THE UNIT ARE: (1) SEEDING TIME, (2) SEED SELECTION, (3) NEW LAWN FERTILIZATION, (4) LIMING, (5) SEEDBED PREPARATION, (6) SEEDING AND MULCHING, (7) NEW LAWN IRRIGATION, (8) LAWN MAINTENANCE CULTURAL PRACTICES, (9) ESTABLISHED LAWN FERTILIZATION, (10) WEED CONTROL, (11) DISEASE CONTROL, (12) INSECT AND PEST CONTROL, (13) MAINTENANCE IRRIGATION, AND (14) RENOVATION. EACH SECTION INCLUDES ITEMS TO CONSIDER, RELATED INFORMATION, SUGGESTED STUDENT ACTIVITIES, TEACHING MATERIALS, AND REFERENCES. A BIBLIOGRAPHY, STUDENT TEST, AND ANSWER KEY ARE INCLUDED. THE 10-HOUR UNIT MAY BE USED WITH MIDWESTERN HIGH SCHOOL AND ADULT STUDENTS WHO ARE INTERESTED IN HOME IMPROVEMENT. A SERIES OF 41 SLIDES, NECESSARY FOR ITS USE, IS AVAILABLE FOR $6.00 FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. THIS DOCUMENT IS AVAILABLE FOR $1.00 FROM THE SAME SOURCE. (JM)

VT 002 024   ED 014 552
BARKER, RICHARD L.
PROFIT-MAXIMIZING PRINCIPLES, INSTRUCTIONAL UNITS FOR VOCATIONAL AGRICULTURE.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
OHIO STATE UNIV., COLUMBUS. COLL. OF AGRICULTURE AND HOME ECONOMICS.
OHIO STATE UNIV., COLUMBUS. RESEARCH FOUNDATION.
OEC-3-7-068763-1949   08
BR-6-8763
PUB DATE -   AUG67 181P.

DESCRIPTORS - BIBLIOGRAPHIES; *FARM MANAGEMENT; HIGH SCHOOLS; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN STIMULATING JUNIOR AND SENIOR HIGH SCHOOL STUDENT THINKING, UNDERSTANDING, AND DECISION MAKING AS ASSOCIATED WITH PROFIT-MAXIMIZING PRINCIPLES OF FARM OPERATION FOR USE IN FARM MANAGEMENT. IT WAS DEVELOPED UNDER A U.S. OFFICE OF EDUCATION GRANT BY TEACHER-EDUCATORS, A FARM MANAGEMENT SPECIALIST, AND TEACHERS AND REFINED AFTER TRIAL USE IN 16 HIGH SCHOOLS. UNITS INCLUDE DIMINISHING RETURNS, FIXED-VARIABLE COSTS, SUBSTITUTION, OPPORTUNITY COSTS, COMBINATION OF ENTERPRISES, AND TIME RELATIONSHIPS. EACH UNIT IS ORGANIZED TO TEACH ECONOMIC PRINCIPLES BY THE INDUCTIVE PROCESS. TERM DEFINITIONS, OBJECTIVES, AND STATEMENT OF PRINCIPLE ARE GIVEN FOR THE WHOLE UNIT. EDUCATIONAL EXPERIENCES (EXAMPLES INCLUDING LEADING QUESTIONS, KEY QUESTIONS, AND CONCLUSIONS), ASSOCIATION OF EXAMPLES, FORMULATION OF THE PRINCIPLE, AND STUDENT ACTIVITIES (APPLICATION OF THE PRINCIPLE) DEVELOP THE CONTENT. TABLES, ILLUSTRATIONS, SUGGESTED TEACHER ACTIVITIES, STUDENT EXERCISES, QUIZZES, AND REFERENCES ARE GIVEN. SEVEN WEEKS ARE REQUIRED FOR COMPLETION OF THE SIX UNITS. THE GUIDE IS IN LOOSELEAF FORM IN A PLASTIC BINDER. THIS DOCUMENT IS ALSO AVAILABLE FOR $2.00 FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (JM)

VT 002 030
PENNINGTON, DON, COMP.
HANDBOOK FOR ORGANIZING AND CONDUCTING PROGRAMS IN AGRICULTURAL SALES AND SERVICE OCCUPATIONS.

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. AGRICULTURE EDUCATION.
PUB DATE -   66 70P.

DESCRIPTORS - *PROGRAM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; AGRICULTURAL SUPPLIES; SALES OCCUPATIONS; SERVICE OCCUPATIONS; PROGRAM PLANNING; SECONDARY GRADES; SUPERVISED FARM PRACTICE; *WORK STUDY PROGRAMS; *COOPERATIVE EDUCATION
IDENTIFIERS - INDIANA

ABSTRACT - COMPILED BY A SUPERVISOR OF AGRICULTURAL EDUCATION, THIS HANDBOOK IS FOR TEACHER USE IN PLANNING AND CONDUCTING A COOPERATIVE PROGRAM OF SUPERVISED TRAINING FOR EMPLOYMENT IN AGRICULTURAL SALES AND SERVICES THROUGH AN AGREEMENT BETWEEN THE HIGH SCHOOL AND THE AGRICULTURAL BUSINESSES AND INDUSTRIES IN THE COMMUNITY. CONTENTS INCLUDE: (1) A DESCRIPTION OF THE PROGRAM, (2) ADVANTAGES, (3) PROCEDURES FOR ORGANIZATION, (4) POLICIES, (5) SUGGESTIONS FOR FORMING A CONSULTANT COMMITTEE, (6) SELECTION OF TRAINEES AND TRAINING CENTERS, (7) TRAINING PLANS AND AGREEMENT, (8) TRAINEE PLACEMENT, (9) RELATED INSTRUCTION, (10) PROGRAM COORDINATION, (11) ON-THE-JOB SUPERVISION, (12) SUGGESTED EVALUATION FORMS AND PROCEDURES, (13) RECORD-KEEPING, AND (14) A LISTING OF INSTRUCTIONAL AIDS AND MATERIALS. STATE REGULATIONS FOR SUCH PROGRAMS, SAMPLE FORMS AND APPLICATIONS, AWARDS PROGRAM INFORMATION, INDIANA LABOR LAWS AND STANDARDS, AND A GLOSSARY ARE APPENDED. (AW)

VT 002 133   ED 013 317
HOLLENBERG, A.H. ; JOHNSON, F.J.
INSTRUCTION IN FARM MECHANICS, SUGGESTIONS FOR DEVELOPING TRAINING PROGRAMS IN FARM MECHANICS IN VOCATIONAL AGRICULTURE.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-31009
PUB DATE -   64 136P.

DESCRIPTORS - *AGRICULTURAL ENGINEERING; *PROGRAM DEVELOPMENT; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THE PROGRAM GUIDE IS TO ASSIST TEACHERS IN TRAINING YOUNG FARMERS AND FARM WORKERS IN THE SELECTION, OPERATION, UTILIZATION, AND MAINTENANCE OF FARM TOOLS, MACHINERY, AND MECHANICAL EQUIPMENT. DESIGNED BY NATIONAL AGRICULTURAL

EDUCATION SPECIALISTS, THE DOCUMENT INCLUDES CHAPTERS ON THE CHANGING FARM, SETTING UP PROGRAMS, FARM MECHANICS OBJECTIVES AND PROCEDURES, FARM POWER AND MACHINERY, SOIL AND WATER MANAGEMENT, FARM BUILDINGS AND CONVENIENCES, FARM ELECTRIFICATION, AND FARM SHOP WORK. DISCUSSION TOPICS ARE INCLUDED AT INTERVALS THROUGHOUT THE DOCUMENT. A GLOSSARY OF COMMON TERMS IS INCLUDED. THIS DOCUMENT IS AVAILABLE AS GPO NUMBER FS 5.281--81009 FOR 50 CENTS FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402. (JM)

VT 002 134   ED 012 323
DUIS, HAROLD F. , AND OTHERS
FARM BUSINESS ANALYSIS, GUIDELINES FOR A SUGGESTED PROGRAM IN FARM MANAGEMENT.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-81010 ; OE-CIRC-752
PUB DATE -   64 27P.

DESCRIPTORS - *ADULT FARMER EDUCATION; BUSINESS EDUCATION; FARM ACCOUNTS; *FARM MANAGEMENT; INSTRUCTIONAL MATERIALS; *PROGRAM GUIDES
IDENTIFIERS - DISTRICT OF COLUMBIA

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST STATE LEADERS AND TEACHERS IN PLANNING AND CONDUCTING FARM MANAGEMENT PROGRAMS WITH EMPHASIS ON FARM BUSINESS ANALYSIS. DEVELOPED BY NATIONAL AGRICULTURAL EDUCATION SPECIALISTS, THE OBJECTIVES OF THIS FARM BUSINESS ANALYSIS PROGRAM INCLUDE--(1) EFFICIENT USE OF FARM RECORDS, (2) USE OF GOOD MANAGEMENT AS A RESOURCE, (3) DECISION MAKING BASED ON RECORD ANALYSIS, (4) FARM BUSINESS REORGANIZATION BASED ON RECORD ANALYSIS, AND (5) COLLECTION OF USEFUL DATA. INTERESTED FARM COUPLES KEEP RECORDS, STUDY THEIR ANALYSIS, AND ARE ENCOURAGED TO BASE BUSINESS DECISIONS UPON RECORD ANALYSIS IN A YEAR-LONG SERIES OF MEETINGS. STATE LEVEL PROCEDURAL STEPS FOR PROGRAM DEVELOPMENT AND SOURCES OF TEACHING AIDS ARE INCLUDED. THE RELATIONSHIP OF THE PROGRAM TO OTHER ADULT FARMER INSTRUCTION AND HIGH SCHOOL CLASSES IS EMPHASIZED. REQUIREMENTS FOR TEACHER EDUCATION AND STEPS FOR LAUNCHING LOCAL PROGRAMS ARE OUTLINED. TOPICS FOR 13 MEETINGS ARE GIVEN. THIS DOCUMENT IS AVAILABLE AS FS 5.281--81010 FROM THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402, FOR $0.20. (JM)

VT 002 144
A PROBLEM IN GREENHOUSE MANAGEMENT. EVALUATING TWO ALTERNATIVES FOR EXPANDING INCOME.

STATE UNIV. OF NEW YORK, ITHACA. AGRICULTURAL EDUCATION DIV. AT CORNELL UNIV.
PUB DATE -   JUN67 31P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *GREENHOUSES; *MANAGEMENT; GRADE 11; GRADE 12; ANSWER KEYS; STUDENT PROJECTS; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY GRADUATE STUDENTS IN AGRICULTURAL EDUCATION, THIS TEACHING GUIDE IS FOR USE BY QUALIFIED ORNAMENTAL HORTICULTURE TEACHERS, WITH A KNOWLEDGE OF ACCOUNTING, IN TEACHING 11TH AND 12TH GRADE STUDENTS BUSINESS PRINCIPLES. THE CONTENT INCLUDES: (1) A HYPOTHETICAL SITUATION, (2) THE PROBLEM, (3) THE SPECIFIC ASSUMPTIONS NECESSARY FOR PROBLEM COMPLETION, (4) BUDGETING PROJECTIONS TO COMPARE ALTERNATIVES, (5) A TEACHER'S REFERENCE, (6) SUGGESTED TOPICS FOR FURTHER DISCUSSION, AND (7) REFERENCES. A STUDENT COPY IS INCLUDED. THE REFERENCE HAS GENERAL GEOGRAPHIC ADAPTABILITY FOR A 2-HOUR LABORATORY EXERCISE. IT IS DESIRABLE THAT STUDENTS HAVE A BASIC KNOWLEDGE IN MATHEMATICS AND ACCOUNTING. (DM)

VT 002 158
RATE OF PLANTING CORN. A LABORATORY EXERCISE.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.50).
PUB DATE -   63 34P.

DESCRIPTORS - UNITS OF STUDY (SUBJECT FIELDS); *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *CORN; *PLANTING; HIGH SCHOOLS

ABSTRACT - THE VOCATIONAL AGRICULTURE TEACHER CAN USE THIS 5-HOUR EXERCISE ON CORN PLANTING RATES FOR BOTH HIGH SCHOOL STUDENTS AND ADULT FARMERS WHO HAVE A BASIC MATHEMATICS AND SCIENCE BACKGROUND AND AN INTEREST IN FARM MACHINERY. IT WAS DEVELOPED BY CURRICULUM MATERIALS SPECIALISTS FROM THE INITIAL WORK OF A TEACHER AFTER TRIAL WITH STUDENTS AND CONSIDERATION BY ENGINEERS AND AGRONOMISTS. THE MAIN SECTIONS ARE DETERMINING CORN PLANTING RATES, OPERATING CORN PLANTERS, AND PRINCIPLES OF CORN PLANTER OPERATION. EACH SECTION INCLUDES BACKGROUND MATERIAL, CHARTS, SUGGESTED REFERENCES AND EQUIPMENT, AND PROCEDURES. A CORN PLANTER IS REQUIRED FOR THE CONDUCT OF THE LABORATORY EXERCISE. THIS DOCUMENT IS AVAILABLE FOR 50 CENTS FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (JM)

VT 002 167
MCMILLION, MARTIN B.; ARNEMAN, HAROLD F.
TEACHING UNIT IN SOIL FORMATION AND CLASSIFICATION .

MINNESOTA UNIV., MINNEAPOLIS. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE -   67 27P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; *AGRONOMY
IDENTIFIERS - MINNESOTA

ABSTRACT - DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS AND GRADUATE STUDENTS, THIS TEACHERS' GUIDE IS FOR USE IN COURSE AND

LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES IN SOIL SCIENCE. THE CONTENT OF THIS 2-WEEK COURSE GUIDE INCLUDES: (1) INTRODUCTION AND OBJECTIVES, (2) SOIL FORMATION AND CLASSIFICATION, (3) SOIL SURVEY, AND (4) INFORMATION AND DIRECTIONS NECESSARY TO MAKE SOIL PROFILES. THIS MIMEOGRAPHED DOCUMENT CONTAINS ILLUSTRATIONS OF SOIL PROFILES, MAJOR GLACIAL LAKES AND RIVERS OF MINNESOTA, AVERAGE ANNUAL PRECIPITATION FOR MINNESOTA, NATIVE VEGETATION OF MINNESOTA, AND A SOIL CLASSIFICATION TRIANGLE. ILLUSTRATIONS ARE SUITABLE FOR REPRODUCTION AS TRANSPARENCIES. (DM)

VT 002 200
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN GARDENING AND GROUNDSKEEPING .

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION
VO-AG-ED-NO-22
AGRICULTURAL EDUCATION DEPARTMENT, LOUISIANA STATE UNIVERSITY, 204 FIELD HOUSE, BATON ROUGE, LOUISIANA 70803 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - SEP67 141P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *GROUNDS KEEPERS; *ORNAMENTAL HORTICULTURE; HIGH SCHOOLS

ABSTRACT - DEVELOPED FOR USE BY TEACHERS OF VOCATIONAL AGRICULTURE IN PREPARING STUDENTS FOR EMPLOYMENT IN GARDENING AND GROUNDSKEEPING, THIS HIGH SCHOOL STUDENT REFERENCE CONTAINS UNITS OF: (1) OPERATING, REPAIRING AND MAINTAINING SMALL POWER EQUIPMENT, TRACTORS, AND ALLIED EQUIPMENT, (2) USE AND CARE OF HAND TOOLS USED IN GARDENING AND GROUNDSKEEPING, (3) ESTABLISHING AND CARING FOR LAWNS, TURFS, AND GARDENS, (4) RECOGNIZING AND CONTROLLING LAWN, TURF, AND GARDEN PESTS, INSECTS, AND DISEASES, AND (5) HUMAN RELATIONS AND JOB PROCUREMENT. EACH OF THE 22 LESSONS CONTAINS OBJECTIVES, MOTIVATION, SUBJECT MATTER CONTENT, DISCUSSION, STUDENT PARTICIPATION, AND TEACHING AIDS AND REFERENCES. (DM)

VT 002 201 ED 013 918
THE LANDSCAPE AIDE, A SUGGESTED TRAINING PROGRAM.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-87010
PUB DATE - 64

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *LANDSCAPING; *ORNAMENTAL HORTICULTURE; *POST SECONDARY EDUCATION; PROGRAM DEVELOPMENT
IDENTIFIERS - MDTA PROGRAMS

ABSTRACT - THE PURPOSE OF THIS CURRICULUM GUIDE IS TO ASSIST TEACHERS IN PLANNING AND CONDUCTING A 50-WEEK COURSE AT THE POSTSECONDARY LEVEL FOR PERSONS PLANNING TO EXECUTE LANDSCAPE PROJECTS AS INDEPENDENT BUSINESSMEN OR EMPLOYEES OF A LANDSCAPE ARCHITECT, NURSERY, OR GREENHOUSE. PROGRAM OBJECTIVES ARE TO PREPARE TRAINEES TO PLAN AND EXECUTE TASKS NECESSARY TO SUCCESSFUL EMPLOYMENT IN LANDSCAPING. THE DOCUMENT WAS DEVELOPED, EDITED, AND REVISED BY INDIVIDUALS AT THE NATIONAL LEVEL. THE COURSE INCLUDES UNITS ON -- (1) ORIENTATION, (2) TOOLS, EQUIPMENT, AND SAFETY, (3) MATHEMATICS, (4) LANDSCAPE PLANS, (5) SOILS, (6) BOTANY, (7) PROPAGATION, (8) PLANTING AND TRANSPLANTING, (9) GRASS PRODUCTION, (10) INSECTS AND DISEASE, (11) PLANT STRUCTURES, (12) NURSERY MAINTENANCE, (13) GREENHOUSE OPERATION, (14) MARKETING, AND (15) RECORDS. SUGGESTED TRAINING TIME, OBJECTIVES, CONTENT, LABORATORY OR FIELD EXPERIENCES, AND REFERENCES ARE LISTED FOR EACH UNIT. LESSON PLANNING PROCEDURES, FACILITIES, AND TRAINEE EMPLOYMENT READINESS CRITERIA ARE GIVEN. TEACHERS OF THE COURSE NEED TO BE AGRICULTURAL COLLEGE GRADUATES WITH SOME HORTICULTURAL SPECIALIZATION AND TEACHER PREPARATION. TRAINEES SHOULD HAVE HIGH SCHOOL BACKGROUNDS, EXPERIENCE WITH PLANTS, OUTDOOR INTERESTS, ARTISTIC ABILITY, PHYSICAL HEALTH, AND INTEREST IN LANDSCAPING. THIS DOCUMENT IS AVAILABLE AS GPO NUMBER FS 5.287--87010 FOR 25 CENTS FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402. (JM)

VT 002 215
ORNAMENTAL HORTICULTURE TEACHING MATERIALS (TITLE SUPPLIED).

NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. AGRICULTURAL EDUCATION SECTION
PUB DATE - 67 50P.

DESCRIPTORS - *TRANSPARENCIES; *INSTRUCTIONAL AIDS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - DEVELOPED BY A TEACHING MATERIALS SUPERVISOR, THESE INSTRUCTIONAL AIDS ARE FOR USE BY TEACHERS AND STUDENTS AS PART OF AN OCCUPATIONAL CLUSTER IN ORNAMENTAL HORTICULTURE IN THE EASTERN UNITED STATES. THE DOCUMENT CONTAINS 48 TRANSPARENCY MASTERS WHICH MAY BE INTEGRATED WITH SEVERAL UNITS OF INSTRUCTION AT THE HIGH SCHOOL OR POST-HIGH SCHOOL LEVEL. SOME SUBJECT CONTENT INCLUDES: (1) A GENERAL OVERVIEW OF HORTICULTURE, (2) HORTICULTURAL CAREER OPPORTUNITIES, (3) DEFINITIONS OF HORTICULTURAL TERMS, (4) HORTICULTURAL PRACTICES, (5) GROWING REGIONS, (6) CHARACTERISTICS OF VARIOUS PLANTS, (7) PLANT PARTS AND DEVELOPMENT, (8) PLANT PROPAGATION, (9) HOW TO IDENTIFY PLANTS, AND (10) LANDSCAPING. TEACHERS WITH A KNOWLEDGE OF ORNAMENTAL HORTICULTURE MAY USE THIS DOCUMENT IN CONJUNCTION WITH VT 002 693 (TEACHER'S MANUAL) AND VT 004 033 (1-YEAR COURSE GUIDE), BOTH IN THIS ISSUE. (DM)

VT 002 235
CAMERON, WALTER A.
THE GASOLINE ENGINE ELECTRICAL SYSTEM.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.

PUB DATE - 66 150P.

DESCRIPTORS - *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; INSTRUCTIONAL MATERIALS; *AGRICULTURAL ENGINEERING; *ENGINES; AGRICULTURAL MACHINERY; *ELECTRICAL SYSTEMS; SECONDARY GRADES; TRANSPARENCIES

ABSTRACT - PREPARED BY AN AGRICULTURAL MECHANICS INSTRUCTOR, THIS UNIT IS INTENDED AS A BASIC GUIDE FOR TEACHING THE FUNDAMENTALS OF THE GASOLINE ENGINE ELECTRICAL SYSTEM AND PROVIDING THE NECESSARY BACKGROUND FOR POST-HIGH SCHOOL WORK IN ENGINE ANALYSIS. SUBJECTS ARE: (1) VISUAL INSPECTION, (2) CRANKING CIRCUIT, (3) IGNITION CIRCUIT, (4) CHARGING CIRCUIT, (5) ACCESSORY CIRCUIT, AND (6) THE OSCILLOSCOPE ANALYZER, TRANSPARENCY MASTERS, SUGGESTIONS FOR TEACHING, OBJECTIVES AND REFERENCES FOR THE UNIT, AND AN OUTLINE OF TERMINOLOGY AND PRINCIPLES ARE ALSO PROVIDED. (AW)

VT 002 243
CAMERON, WALTER A.
SUPPLEMENT MATERIAL ON SOLDERS AND FLUXES.

VIRGINIA POLYTECHNIC INST., BLACKSBURG. AGRICULTURAL MECHANICS EDUCATION.
PUB DATE - 66 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SUPPLEMENTARY READING MATERIALS; *AGRICULTURAL ENGINEERING; *METALLURGY; *METALS; UNITS OF STUDY (SUBJECT FIELDS); COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; COURSE CONTENT; RESOURCE MATERIALS; CHARTS

ABSTRACT - SOLDERING CAN EASILY BE THE WEAK LINK IN A CHAIN OF COMPLICATED EQUIPMENT IF IT IS NOT DONE PROPERLY. PREPARED BY AN AGRICULTURAL INSTRUCTOR, THESE MATERIALS ARE TO HELP IN SELECTING AND USING FLUXES AND SOLDERS AND TO AID IN UNDERSTANDING THE BASIC SCIENTIFIC PRINCIPLES OF METALLURGICAL FABRICATION. INCLUDED ARE THE COMPOSITIONS OF THE SOLDERS AND SOLDERING FLUXES AND A CHART ON METALLURGICAL METAL FABRICATION. REFERENCES AND COURSE OBJECTIVES ARE GIVEN. (GB)

VT 002 244
CAMERON, WALTER A.
INTERPRETIVE SCIENCE AND RELATED INFORMATION DEMONSTRATIONS FOR AGRICULTURAL MECHANICS.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
PUB DATE - SEP66 73P.

DESCRIPTORS - *DEMONSTRATIONS (EDUCATIONAL); *AGRICULTURAL ENGINEERING; *INSTRUCTIONAL AIDS; *TEACHING METHODS; TRANSPARENCIES

ABSTRACT - FOR USE IN TEACHING COURSES IN AGRICULTURAL MECHANICS, THESE 20 DEMONSTRATIONS RELATE TO THE FOLLOWING SUBJECT AREAS: (1) SAFETY, (2) ELECTRICITY, (3) ARC WELDING, (4) SMALL GASOLINE ENGINES, (5) WOODWORK, AND (6) METALS. DEMONSTRATIONS INCLUDE OBJECTIVES, MATERIALS NEEDED, TEACHER PREPARATION, INTRODUCTION TO SUBJECT MATTER, PRESENTATION, AND APPLICATIONS, WITH THE SECTION ON METALS ALSO PROVIDING STUDY QUESTIONS AND ANSWERS. SUGGESTED DEMONSTRATION PROCEDURES, AND REFERENCES AND TRANSPARENCY MASTERS KEYED TO THEIR RESPECTIVE SUBJECT AREAS ARE ALSO GIVEN. THE GUIDE IS ILLUSTRATED WITH LINE DRAWINGS. (AW)

VT 002 257 ED 013 920
PRODUCING HIGH CORN YIELDS.

ILLINOIS UNIV., URBANA. COLL. OF AGRICULTURE.
UI-VAS-4039A
PUB DATE - MAY67 14P.

DESCRIPTORS - ADULT FARMER EDUCATION; *AGRICULTURAL PRODUCTION; *CORN (FIELD CROP); *FARM OCCUPATIONS; HIGH SCHOOLS; PLANTING; *TEXTBOOKS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - RESOURCE MATERIAL ON CORN PRODUCTION FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER CLASSES WAS DESIGNED BY A STATE LEVEL GROUP OF SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS TO HELP SOLVE PROBLEMS THAT CONFRONT CORN PRODUCERS AT PLANTING TIME. THE SUBJECT MATTER CONCERNS PLANTING TIME, DEPTH, ROW WIDTH, METHOD, FERTILIZATION, INSECTICIDE APPLICATION, AND HERBICIDE APPLICATION. SECTION TITLES ARE STATED IN THE FORM OF PROBLEMS. THE MATERIAL IS USEFUL AS EITHER TEXT OR REFERENCE ASSIGNMENT FOR A PERIOD OF ONE TO FOUR HOURS. TEACHERS SHOULD HAVE GENERAL COMPETENCY IN AGRICULTURE, AND STUDENTS SHOULD HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND AN OCCUPATIONAL OBJECTIVE. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS, GRAPHS, AND TABLES. THIS DOCUMENT IS AVAILABLE FOR 15 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 002 258 ED 013 921
TRANSPLANTING SHADE TREES.

ILLINOIS UNIV., URBANA. COLL. OF AGRICULTURE.
UI-VAS-5002
PUB DATE - SEP67 14P.

DESCRIPTORS - ADULT FARMER EDUCATION; HIGH SCHOOLS; *ORNAMENTAL HORTICULTURE; *TEXTBOOKS; *TRANSPLANTING; *TREES; *VOCATIONAL AGRICULTURE

ABSTRACT - THIS RESOURCE MATERIAL FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER CLASSES WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. THE OBJECTIVE IS TO HELP SOLVE PROBLEMS IN TRANSPLANTING SHADE TREES. THE MAJOR SECTION TITLES ARE STATED AS PROBLEMS -- (1) HOW SHOULD I PREPARE A TREE FOR MOVING, (2) HOW SHOULD I PLANT A TREE, AND (3) HOW SHOULD I PROTECT THE TREE. THE MATERIAL MAY BE USED AS EITHER A TEXT OR A REFERENCE ASSIGNMENT FOR A UNIT REQUIRING 1 TO 4 HOURS. TEACHERS SHOULD HAVE GENERAL COMPETENCY IN AGRICULTURE, AND STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE INTEREST IN AGRICULTURE AND ORNAMENTAL HORTICULTURE. THE DOCUMENT IS PRINTED ON HIGH QUALITY PAPER AND ILLUSTRATED WITH PHOTOGRAPHS AND DRAWINGS.

THIS DOCUMENT IS AVAILABLE FOR 15 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 002 259 ED 013 922
SETTING UP FARM RECORDS TO PROVIDE FOR ANALYSIS.

ILLINOIS UNIV., URBANA. COLL. OF AGRICULTURE.
UI-VAS-2037
PUB DATE - MAY63 10P.

DESCRIPTORS - ADULT FARMER EDUCATION; *FARM ACCOUNTS; FARM OCCUPATIONS; HIGH SCHOOLS; *TEXTBOOKS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - RESOURCE MATERIAL ON FARM RECORD ANALYSIS FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER CLASSES WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS TO PROVIDE TEXTUAL MATERIAL FOR STUDENTS ON THE PURPOSES OF RECORDS, ANALYSIS MEASURES, INVENTORIES, DEPRECIATION SCHEDULES, FINANCIAL TRANSACTION RECORDS, FIELD RECORDS, PRODUCTION RECORDS, AND MISCELLANEOUS ITEM RECORDS. TEACHERS SHOULD HAVE COMPETENCY IN GENERAL AGRICULTURE, AND STUDENTS SHOULD HAVE AVERAGE ABILITY AND AN INTEREST IN FARMING AS AN OCCUPATION. THE MATERIAL IS SUITABLE FOR TEXT OR REFERENCE ASSIGNMENTS LASTING FROM ONE TO FOUR HOURS. THIS DOCUMENT IS AVAILABLE FOR 10 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 002 260 ED 013 923
THE PLANTER--SELECTION, ADJUSTMENT, MAINTENANCE, AND USE.

ILLINOIS UNIV., URBANA. COLL. OF AGRICULTURE.
UI-VAS-3021
PUB DATE - MAY67 42P.

DESCRIPTORS - ADULT FARMER EDUCATION; *AGRICULTURAL MACHINERY; CORN (FIELD CROP); *FARM OCCUPATIONS; HIGH SCHOOLS; *PLANTING; *TEXTBOOKS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - RESOURCE MATERIAL ON CORN PLANTERS FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER CLASSES WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS TO PROVIDE TEXTUAL MATERIAL FOR STUDENTS ON THE SELECTION, OPERATION, ADJUSTMENT, USE, MAINTENANCE, AND PRACTICAL APPLICATION OF CORN PLANTERS. THE TEACHER SHOULD HAVE COMPETENCY IN GENERAL AGRICULTURE, AND THE STUDENTS SHOULD HAVE AVERAGE ABILITY AND AN INTEREST IN CORN PRODUCTION. THE MATERIAL MAY BE USED FOR ASSIGNMENT OR REFERENCE STUDY LASTING FROM ONE TO FOUR HOURS. THIS DOCUMENT IS AVAILABLE FOR 50 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 002 262 ED 013 924
SELECTING, FEEDING, AND CARING FOR LIGHT HORSES.

ILLINOIS UNIV., URBANA. COLL. OF AGRICULTURE.
UI-VAS-1040
PUB DATE - MAY67 18P.

DESCRIPTORS - ADULT FARMER EDUCATION; *FARM OCCUPATIONS; HIGH SCHOOLS; *HORSES; *TEXTBOOKS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - RESOURCE MATERIAL FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER CLASSES WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS TO PROVIDE INFORMATION ON LIGHT HORSE BREEDS, SELECTION, NUTRITION, CARE, AND FACILITIES. TEACHERS SHOULD HAVE COMPETENCY IN GENERAL AGRICULTURE, AND STUDENTS SHOULD HAVE AVERAGE ABILITY, INTEREST IN, AND AN OCCUPATIONAL GOAL OF MANAGING LIGHT HORSES. THE MATERIAL CAN BE USED AS EITHER A TEXT OR REFERENCE ASSIGNMENT REQUIRING ONE TO FOUR HOURS. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS AND DRAWINGS. THIS DOCUMENT IS AVAILABLE FOR 20 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 002 271 ED 013 926
THE FORESTRY AIDE, A SUGGESTED TRAINING PROGRAM.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-87011
PUB DATE - 64

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *FORESTRY; *FORESTRY AIDES; POST SECONDARY EDUCATION
IDENTIFIERS - MDTA PROGRAMS

ABSTRACT - THE PURPOSE OF THIS CURRICULUM GUIDE IS TO ASSIST TEACHERS IN PLANNING AND CONDUCTING A 45-WEEK COURSE AT THE POSTSECONDARY LEVEL TO PREPARE PERSONS AS ASSISTANTS TO PROFESSIONAL FORESTERS. COURSE OBJECTIVES INCLUDE PREPARING TRAINEES TO -- (1) ASSIST FORESTERS, (2) CONDUCT SURVEYS, (3) PERFORM CONSERVATION FUNCTIONS, (4) MARK TIMBER FOR HARVEST, (5) PREVENT AND CONTROL FIRES, (6) ENFORCE REGULATIONS, (7) USE AND MAINTAIN TOOLS, AND (8) PREPARE AND KEEP RECORDS. NATIONAL LEADERS IN ADULT EDUCATION AND VOCATIONAL EDUCATION AND REPRESENTATIVES OF NATIONAL ORGANIZATIONS IDENTIFIED OCCUPATIONS AND RECOMMENDED THE DEVELOPMENT OF THE RESOURCE MATERIAL. COURSE UNITS INCLUDE -- (1) ORIENTATION, (2) SELECTION, USE, AND MAINTENANCE OF TOOLS AND EQUIPMENT, (3) BOTANY, (4) TREE IDENTIFICATION, (5) MATHEMATICS, (6) DRAFTING, (7) SURVEYING, (8) FOREST MANAGEMENT, (9) FOREST PROTECTION, (10) FOREST LAND USE, (11) PUBLIC AND PRIVATE FORESTRY POLICIES AND PROGRAMS, AND (12) RECORDS AND REPORTS. SUGGESTED TRAINING, OBJECTIVES, CONTENT, LABORATORY OR FIELD EXPERIENCES, AND REFERENCES ARE LISTED FOR EACH UNIT. LESSON PLANNING PROCEDURES, FACILITIES NEEDED, AND TRAINEE EMPLOYMENT READINESS CRITERIA ARE GIVEN. TEACHERS OF THE

COURSE NEED TO BE COLLEGE GRADUATES IN FORESTRY AND HAVE TEACHER PREPARATION. TRAINEES NEED A HIGH SCHOOL EDUCATION, OUTDOOR INTERESTS, AND GOOD PHYSICAL HEALTH. THIS DOCUMENT IS AVAILABLE AS GPO NUMBER FS 5.287--87011 FOR 25 CENTS FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402. (JM)

VT 002 275
MOWERS.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.75).
PUB DATE - 66 65P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDY GUIDES; *AGRICULTURAL MACHINERY; *HARVESTING; *FORAGE CROPS; HIGH SCHOOLS; FARMERS

ABSTRACT - A VOCATIONAL AGRICULTURE TEACHER REVISED AN EARLIER STUDY GUIDE DEVELOPED BY AN AGRICULTURAL ENGINEER AFTER HE CONSULTED EDUCATORS AND ENGINEERS AND USED THE MATERIAL WITH STUDENTS. SECTIONS IN THE STUDY GUIDE INCLUDE (1) VALUE OF GOOD MOWING, (2) MOWER TYPES AND DESIGNS, (3) CUTTING PRINCIPLES, (4) PRINCIPLES OF THE LAW OF MOMENTS, AND (5) MOWER REGISTER. REQUIRING 10 HOURS, THE MATERIAL IS FOR USE WITH VOCATIONAL AGRICULTURE STUDENTS INTERESTED IN FARMING. RECOMMENDED SUPPLEMENTAL MATERIALS INCLUDE A BOOK, "SELECTING AND MAINTAINING FIELD MOWERS," MOWERS, AND OPERATOR'S MANUALS. (JM)

VT 002 303 ED 021 967
VETERINARY ASSISTANT, TEACHERS COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
AGRICULTURAL EDUC. TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($5.50).
PUB DATE - 66 490P.

DESCRIPTORS - ANSWER KEYS; *COOPERATIVE EDUCATION; HIGH SCHOOLS; *STUDY GUIDES; *VETERINARY ASSISTANTS; *VETERINARY MEDICINE; *VOCATIONAL AGRICULTURE

ABSTRACT - THIS STUDY GUIDE WAS DEVELOPED FOR USE BY MALE AND FEMALE VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION STUDENTS, 16 TO 20 YEARS OLD, PREPARING TO BECOME VETERINARY ASSISTANTS. IT WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS ON THE BASIS OF STATE ADVISORY COMMITTEE RECOMMENDATIONS AND REFINED AFTER BEING TESTED IN OPERATIONAL PROGRAMS. UNITS, TO BE COVERED IN 175 PERIODS OF 50 MINUTES, INCLUDE: (1) INTRODUCTION, (2) OFFICE MANAGEMENT, (3) KENNEL AND CAGE MANAGEMENT, (4) ASSISTING WITH EXAMINATIONS AND TREATMENTS, (5) MAN AND ANIMAL HEALTH, (6) PRINCIPLES OF DISEASE CONTROL, (7) METHODS OF DISEASE CONTROL, (8) STERILIZATION AND DISINFECTION PROCEDURES, (9) RESTRAINING ANIMALS, (10) PROFESSIONAL ASSISTANCE, (11) LABORATORY AIDS, (12) CLINICAL SIGNS OF COMMON DISEASES, (13) ANIMAL NUTRITION, (14) MISCELLANEOUS, AND (15) RESEARCH PROBLEMS. EACH UNIT INCLUDES INFORMATION SHEETS AND ASSIGNMENT SHEETS. ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND TEST ANSWER SHEETS ARE INCLUDED IN THE TEACHER'S COPY. TEXTBOOKS, BULLETINS, AND COMMERCIAL DATA ARE RECOMMENDED AS SUPPLEMENTS. THE DOCUMENT IS LOOSELEAF. (JM)

VT 002 377
WESTON, CURTIS R., AND OTHERS
HOW TO BUILD A TRAILER-LOADING CHUTE .

MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY
MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JAN64 15P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; WELDING; *STUDENT PROJECTS; MANUFACTURING; ASSEMBLY (MANUFACTURING); *AGRICULTURAL ENGINEERING

ABSTRACT - DEVELOPED BY GRADUATE STUDENTS AS PART OF A CLASS PROJECT, THIS CONSTRUCTION PLAN IS FOR TEACHER AND STUDENT USE IN A COURSE IN AGRICULTURAL MECHANICS. IT CONTAINS LINE DRAWINGS, THE BILL OF MATERIAL, AND A NARRATIVE DESCRIPTION. THE TEACHER SHOULD HAVE RECEIVED SHOP TRAINING AND STUDENTS SHOULD BE OF ADVANCED STANDING. THE DOCUMENT IS ILLUSTRATED WITH EIGHTEEN PHOTOGRAPHS. (DM)

VT 002 378
WESTON, CURTIS R., AND OTHERS
HOW TO BUILD A TRACTOR SCRAPER BLADE .

MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY
TEACHING AIDS FUND, 122 WATERS HALL, UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI 65282 ($0.25).
PUB DATE - JAN66 15P.

DESCRIPTORS - *REFERENCE BOOKS; *AGRICULTURAL EDUCATION; *FARM MECHANICS (OCCUPATION); *WELDING; VOCATIONAL AGRICULTURE; ASSEMBLY (MANUFACTURING); AGRICULTURAL ENGINEERING; SECONDARY GRADES
IDENTIFIERS - TRACTOR SCRAPER BLADE

ABSTRACT - THIS CONSTRUCTION PLAN IS FOR TEACHER AND STUDENT USE IN BUILDING A TRACTOR SCRAPER BLADE AS A PROJECT IN AGRICULTURAL MECHANICS. IT WAS DEVELOPED AND FIELD TESTED AS A CLASS PROJECT BY GRADUATE STUDENTS. THE PLAN CONTAINS: (1) BLADE ADVANTAGES, (2) A POWER TOOL LIST, (3) LINE DRAWINGS, (4) THE BILL OF MATERIAL, AND (5) A NARRATIVE DESCRIPTION. THE TEACHER SHOULD HAVE HAD SHOP TRAINING AND STUDENTS SHOULD BE OF ADVANCED STANDING. TIME REQUIRED TO COMPLETE THE PROJECT IS APPROXIMATELY ONE SEMESTER. THE REFERENCE IS ILLUSTRATED WITH TWENTY-THREE PHOTOGRAPHS. (DM)

VT 002 382
WESTON, CURTIS R.
TEACHING ELECTRICITY IN VOCATIONAL AGRICULTURE . FOURTH EDITION.

MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY
PUB DATE - MAY66 29P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *ELECTRICITY; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS

ABSTRACT - ELECTRICAL POWER SUPPLIERS AND AGRICULTURAL ENGINEERING PERSONNEL ASSISTED IN DEVELOPING THIS GUIDE FOR TEACHER USE IN PLANNING A 25-HOUR COURSE FOR AGRICULTURAL MECHANICS STUDENTS. TEACHING PLANS ARE INCLUDED FOR THE JOBS (1) UNDERSTANDING HOW ELECTRICITY AFFECTS US, (2) UNDERSTANDING BASIC ELECTRICAL TERMS, (3) UNDERSTANDING MAGNETISM AND ELECTROMAGNETIC INDUCTION, (4) SELECTING WIRE SIZES AND TYPES, (5) UNDERSTANDING THE PRINCIPLES OF WIRING SWITCHES AND CIRCUITS, (6) PROVIDING CIRCUIT PROTECTION, (7) SELECTION, OPERATION AND CARE OF ELECTRIC MOTORS, AND (8) PLANNING THE FARMSTEAD WIRING. JOBS ONE THROUGH SIX ARE RECOMMENDED FOR 10TH GRADE AND JOBS SEVEN AND EIGHT FOR EITHER 11TH OR 12TH GRADE VOCATIONAL AGRICULTURE. EACH TEACHING PLAN CONTAINS OBJECTIVES, SUGGESTIONS FOR MOTIVATION, REFERENCES, PROBLEMS AND STUDY QUESTIONS, INSTRUCTOR AND STUDENTS ACTIVITIES, AND SAFETY FACTORS. THE TEACHER SHOULD HAVE HAD TRAINING IN ELECTRICITY. THE DOCUMENT IS ILLUSTRATED WITH LINE DRAWINGS, AND A SUPPLEMENTARY REFERENCE LIST IS INCLUDED. (DM)

VT 002 386
MCCLURE, W.W.
FARM ARC WELDING, ADVANCED; A GUIDE FOR COURSE PLANNING. ADULT FARMER EDUCATION IN VOCATIONAL AGRICULTURE. AF 2.2-B.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - JAN65 30P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *ADULT FARMER EDUCATION; *AGRICULTURAL ENGINEERING; *WELDING; FARMERS; WELDERS; CURRICULUM PLANNING

ABSTRACT - DEVELOPED BY A PROFESSOR OF AGRICULTURAL ENGINEERING AND REVISED BY A CURRICULUM MATERIALS SPECIALIST, THIS COURSE OUTLINE IS DESIGNED TO AID TEACHERS OF ADULT VOCATIONAL AGRICULTURE COURSES IN PROVIDING ADVANCED EXPERIENCES IN THE USE OF ARC WELDING AND ITS APPLICATION TO FARM CONSTRUCTION AND REPAIR. TOPICS COVERED IN THE 24-HOUR COURSE INCLUDE: (1) INTRODUCTION AND REVIEW--ARC WELDING PROCESS, (2) STRIKING AN ARC AND RUNNING A BEAD, (3) ELECTRODES, (4) METALS, (5) CONTROLLING DISTORTION, (6) VERTICAL, HORIZONTAL AND OVERHEAD WELDING, (7) CUTTING, PIERCING HOLES AND SHAPING, (8) THE CARBON-ARC TORCH, HEATING, BRAZING AND SOLDERING, (9) SHAPING AND WELDING PIPE, TUBING, AND STRUCTURAL STEEL, (10) WELDING CAST IRON, (11) HARD SURFACING, AND (12) WELDING UNLIKE METALS. SUGGESTIONS FOR CONDUCTING THE COURSE AND ARRANGEMENT OF TOPICS ALSO ARE GIVEN. REFERENCES, RESOURCE MATERIALS AND A TOPIC PLANNING SHEET ARE APPENDED. (AW)

VT 002 390
HUDSON, DAVID
KNOW YOUR LAND. (44 COLOR SLIDES AND SCRIPT).

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($6.75).
PUB DATE - 67 11P.

DESCRIPTORS - *FILMSTRIPS; *VOCATIONAL AGRICULTURE; *LAND USE; SOIL CONSERVATION; LAND JUDGING; HIGH SCHOOLS

ABSTRACT - THE PURPOSE OF THIS SERIES OF 44 COLOR SLIDES IS TO HELP VOCATIONAL AGRICULTURE STUDENTS UNDERSTAND LAND JUDGING AND LAND USE. IT WAS DEVELOPED BY STATE-LEVEL SOIL CONSERVATION SERVICE AND AGRICULTURAL PERSONNEL AFTER CONFERENCES WITH OTHER EDUCATORS AND SOILS SPECIALISTS. CONCEPTS COVERED IN THE SLIDE SERIES ARE--(1) SOIL MAPPING, (2) LAND JUDGING, (3) LAND MANAGEMENT PROBLEMS, (4) LAND CAPABILITY CLASSES, (5) CONSERVATION PRACTICES, (6) LAND JUDGING FACTORS, (7) LAND JUDGING TECHNIQUES, AND (8) LAND USE. THE SERIES IS APPROPRIATE FOR USE IN HIGH SCHOOL PRODUCTION AGRICULTURE CLASSES FOR STUDENTS PREPARING FOR OCCUPATIONS IN FARMING OR SOIL CONSERVATION. ADAPTABLE TO AREAS THROUGHOUT THE UNITED STATES, THE SERIES SHOULD BE USED WITH THE "LAND AND SOIL CONSERVATION JUDGING SCORE CARD," AVAILABLE FROM THE OHIO DEPARTMENT OF NATURAL RESOURCES. SUGGESTED TIME ALLOTMENT IS 4 HOURS. (JM)

VT 002 494
TEACHING THE IMPORTANCE OF AGRICULTURE WITH AGRICULTURAL FACTS.

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA
SOUTH CAROLINA VOCATIONAL EDUCATION RESEARCH COORDINATING UNIT, CLEMSON
PUB DATE - JUN67 115P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *STATISTICAL DATA; *AGRICULTURAL TRENDS; *ORIENTATION MATERIALS; WORKSHEETS; HIGH SCHOOLS
IDENTIFIERS - SOUTH CAROLINA

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS, THIS DOCUMENT IS FOR USE IN HIGH SCHOOL COURSE PLANNING IN SOUTH CAROLINA. UNITED STATES AGRICULTURAL CENSUS DATA WAS UTILIZED IN DEVELOPING CONTENT CONCERNING: (1) PUBLIC ATTITUDE TOWARD AGRICULTURE, (2) THE IMPORTANCE OF AGRICULTURE, (3) UNDERSTANDING

AGRICULTURE, (4) MISCONCEPTIONS ABOUT AGRICULTURE, (5) THE FUTURE OF AGRICULTURE, (6) COUNTY DATA CONCERNING AGRICULTURE IN SOUTH CAROLINA, AND (7) WORK SHEETS FOR DEVELOPMENT OF ADDITIONAL DATA. TEACHERS MAY USE THIS MATERIAL WITH HIGH SCHOOL AND ADULT STUDENTS FOR A 6 TO 12-WEEK COURSE. (DM)

VT 002 531
LONG, GILBERT
VOCATIONAL TECHNICAL EDUCATIONAL AND DEVELOPMENT PROJECT, WASHINGTON STATE UNIVERSITY. PROGRAMED INSTRUCTION FOR VOCATIONAL AGRICULTURE TEACHERS.

WASHINGTON STATE UNIV., PULLMAN. COLL. OF EDUCATION
WASHINGTON STATE BOARD FOR VOCATIONAL EDUCATION, OLYMPIA
PUB DATE - 66 213P.

DESCRIPTORS - *PROGRAMED UNITS; *VOCATIONAL AGRICULTURE; *PLANT NUTRITION; *LAND JUDGING; YOUTH CLUBS; FEEDS; *ANIMAL SCIENCE; GRADE 9; GRADE 10

ABSTRACT - PROGRAMED INSTRUCTION MATERIALS IN SEVEN AGRICULTURAL SUBJECT AREAS FOR NINTH AND 10TH GRADE VOCATIONAL AGRICULTURE STUDENTS WERE DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS. THE MATERIAL WAS TESTED IN 10 SCHOOLS, REVISED, AND PILOT TESTED IN 16 SCHOOLS. EACH OF THE SEVEN UNITS INCLUDES A STATEMENT OF PURPOSE, A PRETEST, A POSTTEST, THE PROGRAM FRAMES, INFORMATION PANEL, AND AN ANSWER SHEET. THE UNITS ARE (1) ANIMAL NUTRITION, (2) FEED CHARACTERISTICS, (3) VITAMINS, (4) MINERALS, (5) PLANT NUTRITION, (6) LAND JUDGING, AND (7) FUTURE FARMERS OF AMERICA. THE MATERIAL IS INTENDED AS A SUPPLEMENTAL INSTRUCTIONAL AID. IT WAS DESIGNED FOR USE IN ONE-HALF HOUR BLOCKS OF TIME FOR A TOTAL OF 12 TO 16 HOURS. TEACHERS USING THE MATERIAL SHOULD BE FAMILIAR WITH THE PROPER UTILIZATION OF PROGRAMED MATERIALS. (JM)

VT 002 607
MAGISOS, JOEL H.; SLEETH, STANFORD
OVERHEAD PROJECTION TRANSPARENCY MASTERS FOR VOCATIONAL AGRICULTURE.

WASHINGTON STATE UNIV., PULLMAN. VOCATIONAL-TECHNICAL EDUCATION
WASHINGTON STATE BOARD FOR VOCATIONAL EDUCATION, OLYMPIA
PUB DATE - JUL66 51P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; *TRANSPARENCIES; OVERHEAD PROJECTORS

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE VOCATIONAL AGRICULTURE TEACHERS WITH A SERIES OF OVERHEAD PROJECTION TRANSPARENCY MASTERS, INSTRUCTIONS FOR PREPARATION OF TRANSPARENCIES, AND SUGGESTIONS FOR THE USE OF MASTERS IN PRESENTATIONS, SELF-INSTRUCTION, DISPLAYS, REVIEWS, AND TESTS. IT WAS DEVELOPED BY A TEACHER-EDUCATOR AND GRADUATE ASSISTANT TO DEMONSTRATE THE FEASIBILITY OF PROVIDING AS A FORERUNNER OF FURTHER DEVELOPMENT OF TRANSPARENCY MASTERS TO COMPLEMENT THE VOCATIONAL AGRICULTURE CURRICULUM. INCLUDED IN THE SERIES ARE MASTERS OF (1) A BOAR, (2) A SOW, (3) PIG SELECTION, (4) A SHEEP, (5) A LAMB CARCASS, (6) A BEEF CARCASS, (7) A WATER CYCLE, (8) AN APPLE LEAF, (9) A CORN KERNEL, (10) AN ARC WELDER ELECTRODE HOLDER, (11) THE METAL FUSION PROCESS, (12) THE ARC STRIKING PROCESS, (13) THE JOINT WELDING PROCESS, (14) WORK TRAITS, AND (15) A WASHINGTON STATE MAP. SOME SETS INCLUDE NOMENCLATURE, SPECIAL FEATURES, AND NUMBER OVERLAYS. TEACHERS MAY USE THE MASTERS TO PREPARE TRANSPARENCIES OR MULTIPLE COPIES FOR HIGH SCHOOL PRODUCTION AGRICULTURE CLASSES. (JM)

VT 002 610 ED 023 794
BINKLEY, HAROLD
COURSES OF STUDY IN AGRICULTURAL OCCUPATIONS (AGRICULTURAL-SUPPLY BUSINESSES--SALES AND SERVICE) FOR REIDLAND HIGH SCHOOL, DEPARTMENT OF VOCATIONAL AGRICULTURE .

KENTUCKY UNIV., LEXINGTON. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JAN67 254P.

DESCRIPTORS - TEACHING GUIDES; *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; HIGH SCHOOLS; *AGRICULTURAL SUPPLIES

ABSTRACT - THIS HIGH SCHOOL AGRICULTURAL OCCUPATIONS TEACHER'S GUIDE WAS DEVELOPED AS PART OF A PILOT PROGRAM AND TESTED AT REIDLAND HIGH SCHOOL. THE COURSE OBJECTIVE IS TO DEVELOP SKILLS AND UNDERSTANDINGS NEEDED IN AGRICULTURAL SUPPLY SALES AND SERVICE. UNITS ARE (1) OPPORTUNITIES IN AGRICULTURAL OCCUPATIONS, (2) ORIENTATION TO THE TRAINING PROGRAM, (3) ORGANIZATION OF DISTRIBUTIVE BUSINESSES, (4) AGRICULTURAL MATHEMATICS, (5) HUMAN RELATIONS AND PERSONALITY TRAITS, (6) STORE SKILLS, (7) SALESMANSHIP AND SELLING, (8) FEEDS, (9) SEEDS, (10) FERTILIZERS, AND (11) AGRICULTURAL CHEMICALS. THE OUTLINE FOR EACH UNIT CONTAINS (1) LEARNINGS NEEDED TO REACH THE OBJECTIVE, (2) SUGGESTIONS FOR INTRODUCING THE UNIT, (3) STUDENT GOALS, (4) INFORMATION FOR PROVIDING THE CLASS INSTRUCTION, (5) TEACHING SUGGESTIONS, (6) SUGGESTED STUDENT PARTICIPATION, (7) DECISION MAKING IDEAS, AND (8) REFERENCES. THE ONE-YEAR COURSE SHOULD BE USED BY TEACHERS COMPETENT IN AGRICULTURAL SALES AND SERVICE. PRE-TESTS AND POST-TESTS FOR EACH UNIT, ILLUSTRATIONS WHEN NEEDED FOR CLARITY, AND EVALUATIVE QUESTIONNAIRES FOR COMPLETION BY THE TEACHER, STUDENT, AND THE EMPLOYER OR SUPERVISOR ARE INCLUDED. (DM)

VT 002 615
AGRICULTURAL FACTS AND CAREER OPPORTUNITIES FOR HIGH SCHOOL GRADUATES IN SOUTH CAROLINA .

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - NOV66 9P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL COLLEGES; *TEACHER RECRUITMENT; AGRICULTURAL TRENDS; OCCUPATIONAL INFORMATION; *REFERENCE

MATERIALS; TRANSPARENCIES; HIGH SCHOOLS; *ORIENTATION MATERIALS
IDENTIFIERS - SOUTH CAROLINA; CLEMSON UNIVERSITY

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS FROM MATERIAL PREVIOUSLY USED IN TEACHER RECRUITMENT, THIS FACT SHEET IS FOR USE IN AGRICULTURAL EDUCATION RECRUITMENT IN SOUTH CAROLINA. THE CONTENT INCLUDES ANSWERS TO THE FOLLOWING QUESTIONS: (1) DOES IT PAY TO GET AN EDUCATION? (2) DOES IT PAY TO GO TO COLLEGE? (3) HOW IMPORTANT IS AGRICULTURE IN SOUTH CAROLINA? (4) IS FARMING DECREASING IN IMPORTANCE IN SOUTH CAROLINA? (5) WHAT ARE THE PROJECTED NEEDS FOR FARM PRODUCTS IN 1969 IN SOUTH CAROLINA? (6) ARE AGRICULTURAL COLLEGE GRADUATES STILL NEEDED IN THE UNITED STATES? (7) WHAT MAJOR FIELDS ARE AVAILABLE IN THE COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES AT CLEMSON UNIVERSITY? (8) WHAT DOES A STUDENT STUDY IN AGRICULTURAL EDUCATION? (9) WHAT ARE THE JOB OPPORTUNITIES FOR COLLEGE GRADUATES IN AGRICULTURAL EDUCATION? AND (10) WHAT IS THE DEMAND AND FUTURE OUTLOOK FOR TEACHING AGRICULTURE IN THE UNITED STATES? THE MATERIAL WAS DEVELOPED FOR USE BY QUALIFIED TEACHERS WITH HIGH SCHOOL STUDENTS. MUCH OF THE MATERIAL IS SUITABLE FOR DEVELOPMENT OF TRANSPARENCIES. (DM)

VT 002 669
A SUGGESTED TRAINING GUIDE FOR SWEET POTATO PRODUCTION IN LOUISIANA .

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION
VO-AG-ED-NO-23
AGRICULTURAL EDUCATION DEPARTMENT, LOUISIANA STATE UNIVERSITY, 204 FIELD HOUSE, BATON ROUGE, LOUISIANA 70803 (SINGLE COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE).
PUB DATE - OCT67 95P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRICULTURAL PRODUCTION; HIGH SCHOOLS; *POTATOES (FIELD CROP)

ABSTRACT - DEVELOPED FOR USE BY TEACHERS OF VOCATIONAL AGRICULTURE IN PREPARING HIGH SCHOOL STUDENTS FOR SWEET POTATO PRODUCTION, THIS REFERENCE CONTAINS MAJOR UNITS OF: (1) REQUIREMENTS OF THE SWEET POTATO ENTERPRISE, (2) SELECTION, OPERATION AND MAINTENANCE OF MACHINERY AND EQUIPMENT USED IN SWEET POTATO PRODUCTION IN LOUISIANA, (3) PRODUCTION OF PLANTING STOCK FOR THE SWEET POTATO ENTERPRISE, (4) FIELD PRODUCTION PRACTICES OF THE SWEET POTATO ENTERPRISE, (5) SWEET POTATO INSECT AND DISEASE CONTROL, (6) HARVESTING THE SWEET POTATO CROP IN LOUISIANA, (7) CURING AND STORAGE OF SWEET POTATOES, AND (8) MARKETING THE SWEET POTATO CROP IN LOUISIANA. EACH OF THE 13 LESSONS LISTS THE OBJECTIVES, MOTIVATION, SUBJECT MATTER CONTENT, DISCUSSION, STUDENT PARTICIPATION, AND TEACHING AIDS AND REFERENCES. (DM)

VT 002 674 ED 014 556
DUNCAN, A.O. ; TOBEN, GEORGE E.
A GUIDE ON RECORD KEEPING AND ANALYSIS IN THE VOCATIONAL AGRICULTURE RECORD BOOK FOR PRODUCTION AGRICULTURE.

GEORGIA UNIV., ATHENS.
PUB DATE - MAR66 66P.

DESCRIPTORS - AGRICULTURAL PRODUCTION; *FARM ACCOUNTS; *GUIDES; RECORDS (FORMS); *SUPERVISED FARM PRACTICE; *VOCATIONAL AGRICULTURE

ABSTRACT - BASED UPON "VOCATIONAL AGRICULTURE RECORD BOOK FOR PRODUCTION AGRICULTURE," DEVELOPED DURING 1965, THIS GUIDE FOR VOCATIONAL AGRICULTURE TEACHERS AND STUDENTS ILLUSTRATES THE USE OF THE RECORD BOOK, EXPLAINS SELECTED FEATURES, AND PROVIDES ASSISTANCE WITH RECORD KEEPING AND ANALYSIS. IT WAS DEVELOPED UNDER A U.S. OFFICE OF EDUCATION (USOE) CONTRACT BY AN AGRICULTURAL EDUCATION SUBJECT MATTER SPECIALIST WITH THE ASSISTANCE OF AN AGRICULTURAL ECONOMICS PROFESSOR, A REPRESENTATIVE OF THE NATIONAL COMMITTEE WHICH DEVELOPED THE RECORD BOOK, AND USOE PERSONNEL. (ED 011 064 GIVES THE DETAILS OF ITS DEVELOPMENT.) THE GUIDE EXPLAINS THE IMPORTANCE OF FARM ACCOUNTING AND RECORD KEEPING, ILLUSTRATES AND EXPLAINS RECORD KEEPING AND ANALYSIS, AND GIVES PROCEDURES FOR EVALUATING SUCCESS IN A FARMING PROGRAM. WAYS OF ADAPTING THE RECORD BOOK TO MEET THE NEEDS OF INDIVIDUAL STUDENTS ARE SHOWN. THE RECORD AND ANALYSIS FOR A HYPOTHETICAL FARMING PROGRAM OF AN ADVANCED STUDENT ARE ILLUSTRATED WITH AN EXPLANATION OF EACH ENTRY AND CALCULATION. A LESS-INVOLVED PROGRAM TYPICAL OF THAT OF THE BEGINNING STUDENT IS ALSO ILLUSTRATED. (JM)

VT 002 693
TEACHER'S MANUAL ON HOW TO USE ORNAMENTAL HORTICULTURE TEACHING MATERIALS.

NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. AGRICULTURAL EDUCATION SECTION
PUB DATE - SEP67 42P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *INSTRUCTIONAL MATERIALS; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - DEVELOPED BY AN INSTRUCTIONAL MATERIALS SUPERVISOR, THIS TEACHING GUIDE IS FOR USE WITH HIGH SCHOOL OR POST-HIGH SCHOOL STUDENTS STUDYING AN OCCUPATIONAL CLUSTER IN ORNAMENTAL HORTICULTURE. SUGGESTIONS ARE PROVIDED FOR TEACHING THE MATERIAL CONTAINED IN TRANSPARENCY MASTERS AVAILABLE AS VT 002 215 (IN THIS ISSUE), A COLOR FILMSTRIP ENTITLED "THE IDENTIFICATION OF ORNAMENTAL PLANTS," AND A SOUND TAPE. THE CONTENT INCLUDES: (1) INTRODUCTION, (2) DESCRIPTION OF THE FILMSTRIP, (3) SOUND TAPE DESCRIPTION, (4) TRANSPARENCY MASTER DESCRIPTION, (5) SCRIPT TO USE WITH THE FILMSTRIP, (6) PRINTING INSTRUCTION FOR MASTERS, AND (7) SUGGESTED STUDENT ACTIVITIES. TEACHERS SHOULD HAVE A KNOWLEDGE OF ORNAMENTAL HORTICULTURE. A SUGGESTED 1-YEAR COURSE GUIDE IS AVAILABLE AS VT 004 033 (IN THIS ISSUE). (DM)

VT 002 726
COOK, DONALD E., AND OTHERS
A GUIDE FOR DEVELOPING COURSES OF INSTRUCTION IN VOCATIONAL AGRICULTURE DEPARTMENTS OF WEST VIRGINIA.

PUB DATE - AUG63 55P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; CURRICULUM; HIGH SCHOOLS

ABSTRACT - DEVELOPED BY A COMMITTEE OF NINE VOCATIONAL TEACHERS, IN CONSULTATION WITH A STATE SUPERVISOR AND A TEACHER EDUCATOR, THIS GUIDE IS FOR USE IN DEVELOPING INSTRUCTIONAL PROGRAMS FOR HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES. ITS PURPOSE IS TO ACQUAINT TEACHERS AND OTHERS WITH THE SHIFTING STRUCTURE OF THE PROGRAMS, SHOW THAT EMPHASIS IS BEING PLACED ON EXPLORATION AND ORIENTATION AT BEGINNING LEVELS, AND SHOW THAT CURRENT TRENDS ARE TOWARD ENLARGED COURSE CONTENT. CONTENT AREAS ARE (1) ANIMAL SCIENCES, (2) PLANT SCIENCES, (3) FARM MANAGEMENT, (4) COMMUNITY LEADERSHIP TRAINING, (5) FARM FAMILY LIVING, (6) SUPERVISED FARMING AND CAREERS, (7) SOIL SCIENCE AND CONSERVATION, AND (8) FORESTRY, WILDLIFE, AND COMMERCIAL RECREATION. THE UNITS WITHIN EACH SECTION INCLUDE OBJECTIVES, UNIT ANALYSIS, AND STUDENT APPLICATION OR ACTIVITIES. A SUMMARY LISTS UNITS FOR EACH OF THE FOUR HIGH SCHOOL YEARS. (JM)

VT 002 731
COLLINS, EMERSON R.
FERTILIZER AND LIME.

NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. AGRICULTURAL EDUCATION SECTION
PUB DATE - DEC66 126P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; MANUALS; INSTRUCTIONAL AIDS; *AGRICULTURAL PRODUCTION; *FERTILIZERS; PLANT GROWTH; *PLANT SCIENCE; *SOIL SCIENCE; FIELD CROPS; AGRONOMY
IDENTIFIERS - NORTH CAROLINA

ABSTRACT - WRITTEN BY A PROFESSOR OF AGRICULTURAL EDUCATION, THIS MANUAL IS FOR USE BY VOCATIONAL AGRICULTURE INSTRUCTORS TEACHING PRODUCTION AGRICULTURE IN NORTH CAROLINA. CONTENTS INCLUDE CHAPTERS ON: (1) PREPARATION FOR SOIL FERTILITY PROGRAMS, (2) LIME AND ITS USES, (3) SOURCES OF NITROGEN, PHOSPHORUS, AND POTASH, (4) SECONDARY ELEMENTS, (5) TRACE ELEMENTS, (6) MIXED AND BULK BLEND FERTILIZERS, (7) SOIL TESTING, (8) CONTENT OF FERTILIZER NUTRIENTS IN PLANTS, (9) FERTILIZER APPLICATION, (10) FERTILIZATION OF TOBACCO, AND (11) SPECIFIC CONSIDERATIONS FOR SPECIFIC PLANTS. EACH CHAPTER PROVIDES QUESTIONS AND EXERCISES, AND SOME ARE ILLUSTRATED WITH TABLES, CHARTS, DIAGRAMS, AND LINE DRAWINGS. REFERENCE MATERIALS AND A SUBJECT INDEX ARE APPENDED. (AW)

VT 002 787
VICE, BILLY J.
SOILS UNIT, THE CHEMICAL PROPERTIES OF SOIL.

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
HS-3
PUB DATE - OCT66 22P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; *HIGH SCHOOLS; *SOIL SCIENCE; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY AN AGRICULTURAL SPECIALIST, THIS UNIT ON THE CHEMICAL PROPERTIES OF SOIL FOR HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES HAS BEEN USED BY KENTUCKY VOCATIONAL AGRICULTURE TEACHERS AND REVISED. THE OBJECTIVES OF ITS FOUR COMPONENTS ARE TO DEVELOP COMPETENCY IN--(1) UNDERSTANDING THE FUNCTION OF ESSENTIAL CHEMICAL ELEMENTS IN PLANT GROWTH, (2) UNDERSTANDING THE ELEMENTARY CHEMISTRY NECESSARY FOR EFFECTIVE USE OF FERTILIZERS AND LIME FOR HIGH YIELD, (3) USING FERTILIZERS ECONOMICALLY, AND (4) UNDERSTANDING THE CHEMICAL PRINCIPLES INVOLVED IN USING LIME TO CORRECT SOIL ACIDITY. THE KNOWLEDGE AND SKILLS TO BE DEVELOPED, TEACHING-LEARNING ACTIVITIES, REFERENCES, INSTRUCTIONAL MATERIALS, AND EVALUATION METHODS ARE SUGGESTED. A QUALIFIED TEACHER SHOULD BE ABLE TO USE THE UNIT TO PLAN 12 TO 15 CLASS PERIODS FOR THIRD-YEAR STUDENTS. (JM)

VT 002 788
VICE, BILLY J.
SOILS UNIT, SOIL MANAGEMENT FOR EFFICIENT LAND USE.

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
HS-2
PUB DATE - OCT66 23P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; HIGH SCHOOLS; *LAND USE; *SOIL CONSERVATION

ABSTRACT - DEVELOPED BY AN AGRICULTURAL SPECIALIST, THIS UNIT IN SOIL MANAGEMENT FOR HIGH SCHOOL VOCATIONAL AGRICULTURE HAS BEEN USED BY KENTUCKY VOCATIONAL AGRICULTURE TEACHERS FOR SEVERAL YEARS. COMPONENTS OF THE UNIT INCLUDE (1) IDENTIFICATION OF LAND USE PRINCIPLES, (2) LAND CAPABILITY MAPS, (3) SOIL AND WATER RELATIONSHIPS, (4) CONSERVATION PRACTICES, (5) CROPPING SYSTEMS, AND (6) LAND IMPROVEMENT. KNOWLEDGE AND SKILLS TO BE DEVELOPED ARE OUTLINED AND TEACHING-LEARNING ACTIVITIES, REFERENCES, INSTRUCTIONAL MATERIALS, AND EVALUATION METHODS ARE SUGGESTED. THE UNIT WOULD REQUIRE APPROXIMATELY 15 TO 20 DAYS. A QUALIFIED VOCATIONAL AGRICULTURE TEACHER SHOULD BE ABLE TO USE IT WITH THIRD YEAR VOCATIONAL AGRICULTURE STUDENTS. IT IS RECOMMENDED FOR USE FOLLOWING THE UNIT, "UNDERSTANDING THE PHYSICAL PROPERTIES OF SOIL." (JM)

VT 002 833
COX, WALTER L., JR.
SUGGESTIONS FOR PLANNING A COMMUNITY OCCUPATIONAL SURVEY.

PUB DATE - 66 14P.

DESCRIPTORS - *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *OCCUPATIONAL SURVEYS; HIGH SCHOOLS; *QUESTIONNAIRES

ABSTRACT - THE PURPOSE OF THIS TEACHING GUIDE IS TO PROVIDE GUIDELINES AND FORMS FOR HELPING VOCATIONAL AGRICULTURE STUDENTS CARRY OUT AN OCCUPATIONAL SURVEY AS A LEARNING EXPERIENCE. IT WAS DEVELOPED BY AN INDIVIDUAL. SUGGESTED COMMITTEES ARE (1) PLANNING, WHICH CONSISTS OF STUDENTS, THE TEACHER, AND A COMMUNITY BUSINESS LEADER, (2) PUBLICITY, (3) SURVEY TECHNIQUES AND INSTRUMENT, (4) INTERVIEWER TRAINING, AND (5) DATA TABULATING. A SAMPLE JOB SURVEY, TABULATION, PROGRESS REPORTING, INTERVIEW REPORTING, STUDENT INTRODUCTION FORMS, AND A RESPONSIBILITY CHECKLIST ARE INCLUDED. (EM)

VT 002 835
BATTE, EDWARD G.
LIVESTOCK SANITATION AND DISEASE CONTROL, A GUIDE FOR COURSE PLANNING. ADULT FARMER EDUCATION IN VOCATIONAL AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
AF 5.0
PUB DATE - OCT64 55P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; AGRICULTURAL PRODUCTION; *LIVESTOCK; ANIMAL SCIENCE; *SANITATION; DISEASE CONTROL

ABSTRACT - DEVELOPED BY A SUBJECT MATTER SPECIALIST AT THE UNIVERSITY OF NORTH CAROLINA, THIS GUIDE IS FOR TEACHER USE IN PLANNING AND PRESENTING COURSES IN LIVESTOCK HEALTH AND SANITATION. THE 20-HOUR COURSE IS DESIGNED FOR ADULT FARMER CLASSES, BUT ALSO MAY BE USED TO SUGGIS DESIGNED FOR ADULT FARMER CLASSES, BUT ALSO MAY BE USED TO SUGGEST CONTENT FOR UNITS OF INSTRUCTION ON THE HIGH SCHOOL LEVEL. SUGGESTIONS FOR TEACHING AND COURSE ARRANGEMENTS AND A SAMPLE TEACHING PLAN SHEET ARE FOLLOWED BY 12 INSTRUCTIONAL OUTLINES INCLUDING: (1) ECONOMIC LOSSES, (2) PUBLIC HEALTH IMPORTANCE, (3) SANITATION, (4) SPREAD OF DISEASE, (5) EXTERNAL PARASITES AND INSECTICIDES, (6) INTERNAL PARASITES AND ANTHELMINTICS, (7) CHEMICAL POISONS AND POISONOUS PLANTS, (8) DEFICIENCY DISEASES, AND (9) HERD HEALTH PROGRAMS FOR SWINE, DAIRY CATTLE, AND BEEF CATTLE. REFERENCES, RESOURCE MATERIALS, TOPIC PLANNING SHEET, HERD HEALTH PROGRAMS FOR SWINE AND DAIRY FARMS, AND A PROPOSED GUIDE FOR HERD HEALTH MANAGEMENT FOR A BEEF CATTLE ENTERPRISE ARE APPENDED. A RELATED COURSE, "LIVESTOCK FEEDS AND FEEDING," IS AVAILABLE AS VT 002 841 (AIM FALL 1970). (AW)

VT 002 841
WISE, MILTON B.; MCCLURE, W.W.
LIVESTOCK FEEDS AND FEEDING, A GUIDE FOR COURSE PLANNING, ADULT FARMER EDUCATION IN VOCATIONAL AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
AF5.1
PUB DATE - SEP64 53P.

DESCRIPTORS - *CURRICULUM GUIDES; TEACHING GUIDES; *ADULT FARMER EDUCATION; *AGRICULTURAL PRODUCTION; *LIVESTOCK; ANIMAL SCIENCE; *NUTRITION

ABSTRACT - DEVELOPED BY AN ASSOCIATE PROFESSOR OF ANIMAL SCIENCE IN COLLABORATION WITH CURRICULUM LABORATORY PERSONNEL, THIS 20-HOUR COURSE OUTLINE WILL SERVE AS A GUIDE IN DEVELOPING AND TEACHING INTRODUCTORY ADULT COURSES IN LIVESTOCK FEEDS AND FEEDING. CONTENTS INCLUDE SUGGESTIONS FOR TEACHERS, COURSE OBJECTIVES, A SUGGESTED COURSE ARRANGEMENT, AND COURSE OUTLINES WHICH COVER THE BASIC FUNDAMENTALS OF ANIMAL NUTRITION AND INCLUDE: (1) THE DIGESTIVE SYSTEM, (2) CLASSES AND FUNCTIONS OF NUTRIENTS, (3) FEED ANALYSES AND DIGESTIBILITY, (4) NUTRIENT DISTRIBUTION IN FEEDSTUFFS AND CLASSIFICATION OF FEEDSTUFFS, (5) TYPES OF NUTRIENTS, (6) ADDITIVES, (7) FEED PROCESSING AND STANDARDS AND BALANCING RATIONS, AND (8) FEEDING SWINE, BEEF CATTLE, DAIRY CATTLE, AND POULTRY. REFERENCES, RESOURCE MATERIALS, A TOPIC PLANNING FORM, AND A STUDENT SURVEY ARE APPENDED. (AW)

VT 002 878
HOOVER, NORMAN K., AND OTHERS
PLANNING FOR A CAREER IN AGRICULTURE, TEACHER'S GUIDE . TEACHER EDUCATION RESEARCH SERIES. VOLUME 8, NUMBER 6.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG, AGRICULTURAL EDUCATION SECTION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($.40).
PUB DATE - 67 19P.

DESCRIPTORS - *TEACHING GUIDES; *OCCUPATIONAL INFORMATION; *OCCUPATIONAL GUIDANCE; *VOCATIONAL AGRICULTURE; AGRICULTURE; *ORIENTATION MATERIALS; CAREER OPPORTUNITIES; GRADE 9; GRADE 10; HIGH SCHOOLS

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS FOR USE BY AGRICULTURE INSTRUCTORS IN CAREER GUIDANCE OF NINTH OR 10TH GRADE STUDENTS IN HIGH SCHOOL, THIS GUIDE CONTAINS UNITS OF: (1) THE IMPORTANCE OF CHOOSING A CAREER, (2) PERSONAL QUALIFICATIONS FOR THE WORLD OF WORK, (3) OCCUPATIONAL REQUIREMENTS AND SOURCES OF INFORMATION, (4) THE AGRICULTURAL WORLD OF WORK, AND (5) CHOOSING A CAREER IN AGRICULTURE. EACH UNIT CONTAINS STUDENT LEARNING OBJECTIVES, NECESSARY TEACHER PREPARATION, TEACHING LEARNING ACTIVITIES, AND KEY QUESTIONS. THIS REFERENCE WAS TESTED WITH TEACHERS OF AGRICULTURE AND GUIDANCE COUNSELORS IN EXPLORATORY AND GENERAL AGRICULTURE PROGRAMS AND REVISED PRIOR TO PUBLISHING. THE STUDENT AND TEACHER'S GUIDE SHOULD BE USED CONCURRENTLY. A LIST OF TEACHER-STUDENT REFERENCES AND AVAILABLE

FILMS IS INCLUDED. (DM)

VT 002 932   ED 017 675
HEDGES, LOWELL E.
LANDSCAPING YOUR HOME, TEACHER'S GUIDE.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE.
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
PUB DATE -   64 78P.

DESCRIPTORS - ANSWER KEYS; BIBLIOGRAPHIES; *CURRICULUM GUIDES; GRADE 9; GRADE 10; *LANDSCAPING; TESTS; *VOCATIONAL AGRICULTURE

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST THE VOCATIONAL AGRICULTURE TEACHER TO DEVELOP A UNIT IN THE RELATIVELY SPECIALIZED FIELD OF HOME LANDSCAPING. IT WAS DEVELOPED BY A TEACHER IN CONSULTATION WITH HORTICULTURISTS AND TESTED IN THE CLASSROOM BEFORE PUBLICATION. THE OBJECTIVES OF THE UNIT ARE TO DEVELOP STUDENT ABILITY TO (1) UNDERSTAND THE NEED FOR HOME LANDSCAPING, (2) UNDERSTAND BASIC ARCHITECTURAL PRINCIPLES IN LANDSCAPING, (3) UNDERSTAND THE APPLICATION OF PRINCIPLES IN DEVELOPING HOME GROUND AREAS, (4) UNDERSTAND THE BASIS FOR SELECTING PLANT MATERIALS, (5) PROPERLY PLANT, FERTILIZE, AND PRUNE TREES AND SHRUBS, AND (6) DEVELOP A MASTER LANDSCAPE DESIGN. THE FOCUS OF THE UNIT IS UPON HOME IMPROVEMENT IN THE NORTHEASTERN AND MIDWESTERN UNITED STATES. THE UNIT WOULD REQUIRE 30 HOURS FOR NINTH AND 10TH GRADE STUDENTS IN PRODUCTION AGRICULTURE CLASSES. NURSERY CATALOGS, SLIDES ON LANDSCAPE DESIGN, FIELD TRIPS, AND PLANT MATERIALS ARE RECOMMENDED TO SUPPLEMENT THE UNIT. THIS DOCUMENT IS AVAILABLE FOR $1.00 FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (JM)

VT 002 937
WOLF, WILLARD H., ED.
AGRICULTURAL BUSINESS AND SERVICES FOR HIGH SCHOOL STUDENTS OF VOCATIONAL AGRICULTURE. REPORT OF THE WORKSHOP: PROGRAM PLANNING, AGRICULTURAL EDUCATION 799B. (OHIO STATE UNIVERSITY, JUNE 15-29, 1967).

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.00).
PUB DATE -   67 114P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; SECONDARY GRADES; *COOPERATIVE EDUCATION; *PROGRAM GUIDES; *WORKSHOPS; PROGRAM PLANNING; OCCUPATIONAL SURVEYS; ADVISORY COMMITTEES; PUBLIC RELATIONS; PROGRAM ADMINISTRATION; STUDENT EVALUATION; ADMISSION CRITERIA; EMPLOYERS; PHYSICAL FACILITIES
IDENTIFIERS - OHIO

ABSTRACT - A PLAN OF OPERATION AND PROCEDURE WAS DEVELOPED BY 27 PROSPECTIVE TEACHER-COORDINATORS, IN COOPERATION WITH STATE SUPERVISORS AND TEACHER EDUCATORS, FOR IMPLEMENTING COOPERATIVE OCCUPATIONAL EXPERIENCE PROGRAMS TO PREPARE STUDENTS FOR EMPLOYMENT IN AGRICULTURAL BUSINESS AND SERVICE OCCUPATIONS. COMMITTEES OF WORKSHOP PARTICIPANTS DEVELOPED SECTIONS OF THE REPORT ON: (1) AGRICULTURAL BUSINESS AND SERVICE PROGRAMS, (2) PUBLIC RELATIONS, (3) ADVISORY COUNCILS, (4) PROGRAM GUIDELINES, (5) CRITERIA FOR OHIO PROGRAMS, (6) TEACHER QUALIFICATIONS, (7) FACILITIES AND EQUIPMENT, (8) COMMUNITY EMPLOYMENT NEEDS, (9) SELECTION OF STUDENTS, (10) SELECTION OF TRAINING CENTERS AND COOPERATORS, (11) TRAINING AGREEMENTS, (12) FEDERAL AND OHIO WAGE LAWS, (13) GUIDELINES AND CURRICULUM FOR RELATED CLASSES, (14) INDIVIDUALIZED STUDENT INSTRUCTION AND STUDY, (15) ON-THE-JOB INSTRUCTION, (16) RECORDS AND REPORTS, (17) THE FUTURE FARMERS OF AMERICA IN THE AGRI-BUSINESS PROGRAM, (18) AN EVALUATION, AND (19) PROFESSIONAL IMPROVEMENT. NECESSARY FORMS FOR IMPLEMENTING A PROGRAM ARE INCLUDED. A REPORT OF THE PREVIOUS YEAR'S WORKSHOP IS AVAILABLE AS VT 001 949 (ARM, FALL 1969). (DM)

VT 002 938
HOOSIER VOCATIONAL HORTICULTURE. COURSE IN GREENHOUSE OPERATIONS .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS CENTER, INDUSTRIAL EDUCATION DEPARTMENT, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 (.75).
PUB DATE -   OCT67 53P.

DESCRIPTORS - *TEACHING GUIDES; *PLANT SCIENCE; *VOCATIONAL AGRICULTURE; *NURSERY WORKERS (HORTICULTURE); *GREENHOUSES; EMPLOYMENT OPPORTUNITIES; ORNAMENTAL HORTICULTURE; PLANT PROPAGATION; BUSINESS SKILLS; CONTROLLED ENVIRONMENT; DISEASE CONTROL; PESTICIDES; SECONDARY GRADES

ABSTRACT - DEVELOPED BY HIGH SCHOOL VOCATIONAL TEACHERS FOR USE IN AN INTRODUCTORY OR VOCATIONAL COURSE IN HORTICULTURE PRODUCTION, MAINTENANCE, AND SERVICE OCCUPATIONS, THIS TEACHING GUIDE IS PRIMARILY INTENDED FOR HIGH SCHOOL USE. IT CONTAINS SELECTED MODULES WHICH MAY BE EXTRACTED AND INCLUDED IN A VOCATIONAL AGRICULTURE CURRICULUM. THE NINE MODULES MAKING UP THE COURSE ARE: (1) EXPLORING GREENHOUSE OCCUPATIONAL OPPORTUNITIES, (2) THE GREENHOUSE FACILITIES, (3) THE GREENHOUSE GROWING MEDIA, (4) THE GREENHOUSE ENVIRONMENT, (5) GREENHOUSE PESTS, (6) GREENHOUSE DISEASES, (7) PROPAGATING PLANTS IN THE GREENHOUSE, (8) PRODUCING DESIRED QUALITY GREENHOUSE CROPS, AND (9) KEEPING GREENHOUSE RECORDS. TEACHERS SHOULD BE COMPETENT IN VOCATIONAL AGRICULTURE, BOTANY, OR HORTICULTURE, AND STUDENTS SHOULD BE INTERESTED IN ENTERING A JOB CLUSTER IN THE HORTICULTURE FIELD. ADDITIONAL SUPPLEMENTAL MEDIA SUCH AS SLIDES AND TRANSPARENCIES

SHOULD BE USED WITH THIS GUIDE. (CM)

VT 002 993
WILLIAMS, L.E.
MAIZE DWARF MOSAIC. (24 COLOR SLIDES AND SCRIPT).

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($4.80).
PUB DATE - 65 9P.

DESCRIPTORS - *FILMSTRIPS; *VOCATIONAL AGRICULTURE; *CORN; *PLANT PATHOLOGY; HIGH SCHOOLS; ADULT FARMER EDUCATION
IDENTIFIERS - MAIZE DWARF MOSAIC

ABSTRACT - THE PURPOSE OF THIS SERIES OF COLOR SLIDES IS TO HELP VOCATIONAL AGRICULTURE STUDENTS AND ADULT FARMERS IDENTIFY MAIZE DWARF MOSAIC AND UNDERSTAND THE SEARCH FOR ITS PREVENTION. THE 24 SLIDES AND ACCOMPANYING SCRIPT WERE DEVELOPED BY THE OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. THEY EXPLAIN THE DISEASE'S DIAGNOSIS, SPREAD, INTERACTION WITH THE FUNGUS ROOT ROT, INTERMEDIARY HOSTS, AND POSSIBLE PREVENTION AND CONTROL. IT IS RECOMMENDED FOR USE OVER A 2-YEAR PERIOD. BULLETIN 460, "MAIZE DWARF MOSAIC," IS RECOMMENDED FOR USE WITH THE SLIDE SERIES. COPIES OF THE SLIDES ARE AVAILABLE FOR $4.80 FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (JM)

VT 002 994
HENLEY, RICHARD
HORTICULTURAL SLIDE SERIES I, FLORICULTURAL CROPS. (60 COLOR SLIDES AND SCRIPT).

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($9.50).
PUB DATE - 66 13P.

DESCRIPTORS - *FILMSTRIPS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *FLORICULTURE; HIGH SCHOOLS

ABSTRACT - DESIGNED FOR 18 HOURS OF PRESENTATION TIME, THIS SERIES OF COLOR SLIDES INTRODUCES HIGH SCHOOL HORTICULTURE STUDENTS, OCCUPATIONALLY INTERESTED IN FLORICULTURE, TO THE MAJOR FLORICULTURE CROPS. IT WAS DEVELOPED BY HORTICULTURE SPECIALISTS AFTER CONFERENCE WITH EDUCATORS, HORTICULTURISTS, AND INDUSTRY REPRESENTATIVES. A SCRIPT PROVIDES NARRATION FOR THE 60 SLIDES WHICH ILLUSTRATE (1) CUT FLOWERS INCLUDING CARNATIONS, CHRYSANTHEMUMS, GLADIOLUS, ROSES, AND SNAPDRAGONS, (2) POTTED PLANTS INCLUDED AZALEAS, CHRYSANTHEMUMS, EASTER LILIES, FOLIAGE PLANTS, HYDRANGEAS, AND POINSETTIAS, AND (3) GROWING-ON-STOCK INCLUDING BEDDING PLANTS, ROOT CUTTINGS, AND OTHERS STARTED ON DORMANT PLANTS. THE SLIDES ARE AVAILABLE FOR $9.50 FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (JM)

VT 002 995
UTZINGER, JAMES
WHAT IS HORTICULTURE. (40 COLOR SLIDES AND SCRIPT).

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($6.00 FOR 40 COLOR SLIDES).
PUB DATE - 66 7P.

DESCRIPTORS - *FILMSTRIPS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *FARM OCCUPATIONS; *HORTICULTURE; HIGH SCHOOLS

ABSTRACT - THIS COLOR SLIDE SERIES INTRODUCES HIGH SCHOOL STUDENTS TO HORTICULTURE BY EMPHASIZING EDUCATIONAL AND OCCUPATIONAL OPPORTUNITIES IN THE FIELD. DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS AT THE STATE LEVEL, IT WAS CONSIDERED BY HORTICULTURAL SPECIALISTS, INDUSTRY REPRESENTATIVES, AND TEACHERS, AND TRIED WITH STUDENTS. A SCRIPT ACCOMPANIES THE 40 SLIDES WHICH COVER FLORICULTURE, OLERICULTURE, FRUIT PRODUCTION, LAWN CARE, AND LANDSCAPING. THE SLIDES ARE RECOMMENDED FOR USE OVER A 2-HOUR PERIOD. THE SLIDES ARE AVAILABLE FOR $6.00 FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (JM)

VT 003 004 ED 013 943
ELECTRIC MOTORS FOR FARM USE.

ILLINOIS UNIV., URBANA. COLL. OF AGRICULTURE.
PUB DATE - 62 35P.

DESCRIPTORS - *ELECTRIC MOTORS; *TEXTBOOKS; *VOCATIONAL AGRICULTURE

ABSTRACT - BETWEEN 2 AND 8 HOURS ARE REQUIRED FOR USE OF THIS TEXTUAL OR REFERENCE MATERIAL ON ELECTRIC MOTORS. IT WAS DEVELOPED BY AN AGRICULTURAL EDUCATION-AGRICULTURAL ENGINEERING SPECIALIST ON THE BASIS OF CONFERENCES WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. THE OBJECTIVES AND SUBJECT MATTER CENTER AROUND THE FOLLOWING QUESTIONS -- (1) WHAT ARE THE ADVANTAGES OF ELECTRIC MOTORS, (2) WHAT FACTORS SHOULD I CONSIDER IN SELECTING AN ELECTRIC MOTOR, (3) HOW CAN I IDENTIFY AND SELECT THE PROPER TYPE AND SIZE OF ELECTRIC MOTORS, (4) HOW SHOULD I INSTALL THE MOTOR PROPERLY, (5) WHAT CARE SHOULD I GIVE AN ELECTRIC MOTOR, (6) HOW CAN I DETERMINE WHAT IS WRONG WHEN A MOTOR WILL NOT OPERATE, AND (7) WHAT ARE THE IMPORTANT PRINCIPLES OF ELECTRIC MOTORS. DEMONSTRATIONS AND SHOP EXERCISES ARE SUGGESTED. ILLUSTRATIONS ARE INCLUDED. DESIGNED FOR BOTH HIGH SCHOOL AND POST-HIGH SCHOOL USE, THE MATERIAL IS APPROPRIATE FOR THOSE STUDENTS WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND

AN OCCUPATIONAL OBJECTIVE. THIS DOCUMENT IS AVAILABLE FOR 45 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 003 005
FERTILIZING AND WATERING SHADE AND ORNAMENTAL TREES.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-5003
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - SEP67 13P.

DESCRIPTORS - *TEXTBOOKS; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *TREES; FERTILIZERS; IRRIGATION

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE TEXTUAL AND REFERENCE MATERIAL FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS ON THE FERTILIZATION AND IRRIGATION OF SHADE TREES. IT WAS DEVELOPED BY A TEACHER EDUCATOR AFTER BEING DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND TEACHERS. THE SECTIONS OF THE DOCUMENT ANSWER THE QUESTIONS: (1) WHY SHOULD I FERTILIZE TREES, (2) WHAT IS A FERTILIZER, (3) SHOULD I FERTILIZE, (4) WHEN SHOULD I FERTILIZE AND WITH WHAT, (5) WHAT SHOULD I FERTILIZE, AND (6) SHOULD I WATER TREES. THE MATERIAL MAY BE USED BY TEACHERS COMPETENT IN AGRICULTURE AND ORNAMENTAL HORTICULTURE WITH STUDENTS OF AVERAGE ABILITY WITH INTEREST AND AN OCCUPATIONAL GOAL IN ORNAMENTAL HORTICULTURE. (JM)

VT 003 006
MAIZE DWARF MOSAIC OF CORN.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-4049
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - DEC65 7P.

DESCRIPTORS - *TEXTBOOKS; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *PLANT PATHOLOGY; *CORN (FIELD CROP)

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE TEXTUAL AND REFERENCE MATERIAL FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS ON MAIZE DWARF MOSAIC OF CORN, A NEW DISEASE WHICH IS POTENTIALLY VERY SERIOUS IN THE CORN BELT. THE MATERIAL WAS DEVELOPED BY A TEACHER EDUCATOR AFTER BEING DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND TEACHERS. THE SECTIONS OF THE DOCUMENT ANSWER THE QUESTIONS: (1) HOW MUCH DAMAGE DOES THE DISEASE CAUSE, (2) WHERE DOES THE DISEASE OCCUR, (3) WHAT ARE THE SYMPTOMS, (4) HOW DOES IT SPREAD, AND (5) HOW CAN I CONTROL IT. IT IS APPROPRIATE FOR USE BY TEACHERS WITH COMPETENCE IN GENERAL AGRICULTURE WITH STUDENTS OF AVERAGE ABILITY WITH INTEREST AND AN OCCUPATIONAL OBJECTIVE IN PRODUCTION AGRICULTURE. TIME REQUIRED IS 1 TO 2 HOURS. THIS DOCUMENT IS AVAILABLE FOR 10 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 003 009
CARING FOR THE BROOD MARE AND FOAL.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1041
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - MAY67 10P.

DESCRIPTORS - *TEXTBOOKS; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *HORSES

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE HIGH SCHOOL AND ADULT STUDENTS WITH TEXTUAL AND REFERENCE MATERIAL ON MARES AND FOALS. IT WAS PREPARED BY A TEACHER EDUCATOR AFTER DEVELOPMENT BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. INFORMATION ANSWERS THE QUESTIONS: (1) WHAT ARE THE NORMAL BREEDING HABITS OF THE MARE, (2) WHAT CARE SHOULD I GIVE THE PREGNANT MARE, (3) WHAT CARE IS REQUIRED FOR THE MARE AT FOALING TIME, (4) HOW SHOULD I CARE FOR THE FOAL, AND (5) HOW SHOULD I DRY UP THE MARE. THE MATERIAL IS APPROPRIATE FOR USE IN A 1- OR 2-HOUR PERIOD WITH STUDENTS WHO ARE AVERAGE IN ABILITY AND HAVE AN AGRICULTURAL INTEREST AND AN OCCUPATIONAL OBJECTIVE. THE TEACHER SHOULD BE COMPETENT IN AGRICULTURE. (JM)

VT 003 010
SYSTEMS OF SWINE BREEDING.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1039
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - DEC65 10P.

DESCRIPTORS - *TEXTBOOKS; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *GENETICS; ANIMAL SCIENCE; *SWINE

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE HIGH SCHOOL AND ADULT STUDENTS WITH TEXTUAL OR REFERENCE MATERIAL ON THE BREEDING OF SWINE. IT WAS PREPARED BY A TEACHER EDUCATOR AFTER THE DEVELOPMENT BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. INFORMATION ANSWERS THE QUESTIONS: (1) WHAT IS THE PROCESS OF REPRODUCTION, (2) WHAT CAUSES VARIATIONS IN OFFSPRING, (3) WHAT ARE THE DIFFERENT SYSTEMS OF BREEDING, AND (4) WHAT ARE THE EFFECTS OF CROSSBREEDING SWINE. THE MATERIAL IS FOR USE IN A 1- OR 2-HOUR PERIOD WITH STUDENTS OF AVERAGE ABILITY WHO HAVE AN OCCUPATIONAL GOAL. TEACHERS SHOULD HAVE COMPETENCE IN AGRICULTURE. (JM)

VT 003 011
CAPITALISM, SOCIALISM, AND COMMUNISM.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2038
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - MAY64 12P.

DESCRIPTORS - *TEXTBOOKS; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *COMMUNISM; GOVERNMENTAL STRUCTURE; *CAPITALISM

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS WITH TEXTUAL OR REFERENCE MATERIAL ON FORMS OF ECONOMIC AND GOVERNMENTAL SYSTEMS. DEVELOPMENT BY A TEACHER-EDUCATOR INCLUDED CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. SECTIONS ARE (1) COMMUNISM IS SOCIALISM, (2) HOW DO INDUSTRIALIZED ECONOMIES OPERATE, (3) WHAT IS CAPITALISM, (4) CAN PERSONAL FREEDOMS BE MAINTAINED UNDER SOCIALISM OR COMMUNISM, AND (5) COMPARISON OF CAPITALISM AND SOCIALISM-COMMUNISM. VOCATIONAL AGRICULTURE TEACHERS MAY USE THE MATERIAL WITH STUDENTS OF AVERAGE ABILITY WITH INTEREST AND OCCUPATIONAL GOALS IN AGRICULTURE. TIME REQUIRED IS 1 TO 3 HOURS. THIS DOCUMENT IS AVAILABLE FOR 15 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (JM)

VT 003 012
FITTING MACHINERY AND EQUIPMENT TO THE FARM.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2039
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.25).
PUB DATE - DEC65 22P.

DESCRIPTORS - *TEXTBOOKS; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *AGRICULTURAL MACHINERY

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE TEXTUAL AND REFERENCE MATERIAL FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS ON THE ECONOMICS OF AGRICULTURAL MACHINERY. IT WAS DEVELOPED BY A TEACHER-EDUCATOR AFTER BEING DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND TEACHERS. THE SECTIONS ARE (1) WHAT PURPOSES DO MACHINERY AND EQUIPMENT SERVE, (2) HOW IMPORTANT ARE MACHINERY AND EQUIPMENT COSTS, (3) HOW CAN I KEEP MACHINERY AND EQUIPMENT COSTS AT A REASONABLE LEVEL, (4) USING PARTIAL BUDGETS IN MAKING DECISIONS ABOUT MACHINERY, AND (5) PLANNING THE MACHINERY AND EQUIPMENT FOR THE PROBLEM FARM. A TEACHER WITH COMPETENCE IN GENERAL AGRICULTURE COULD USE THIS MATERIAL OVER A 2- TO 6-HOUR PERIOD WITH STUDENTS OF AVERAGE ABILITY WITH INTEREST AND AN OCCUPATIONAL OBJECTIVE IN AGRICULTURE. (JM)

VT 003 013
SAFETY IN THE AGRICULTURAL MECHANICS SHOPS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, UNIVERSITY OF
ILLINOIS, 434 MUMFORD HALL, URBANA, ILLINOIS
61801 ($.30).
PUB DATE - MAY67 24P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *SAFETY; *EQUIPMENT; *FARM SHOPS; AGRICULTURAL ENGINEERING

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE REFERENCE AND TEXTUAL MATERIALS FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS ON THE SAFE OPERATION OF SHOP EQUIPMENT. DEVELOPMENT BY A TEACHER EDUCATOR INCLUDED CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND TEACHERS. THE DOCUMENT CONCERNS GENERAL SAFETY RULES, AND HAND TOOL, ELECTRICAL, TRACTOR AND MACHINERY, AND SHEET METAL SAFETY. SAFETY INSTRUCTIONS ARE INCLUDED FOR PORTABLE ELECTRIC CIRCULAR SAWS, TILTING ARBOR AND RADIAL ARM SAWS, JIG SAWS, BAND SAWS, JOINTERS, ELECTRIC SANDERS, ROUTERS, PLANERS, DRILLS, GRINDERS, POWER HACKSAWS, ARC WELDERS, GAS WELDERS, INERT GAS WELDERS, SPOT WELDERS, AND GAS FORGES. THE MATERIAL IS APPROPRIATE FOR USE BY VOCATIONAL AGRICULTURE TEACHERS WITH STUDENTS OF AVERAGE ABILITY WITH INTEREST AND OCCUPATIONAL GOALS IN AGRICULTURE. TIME REQUIRED IS FOR 2 TO 8 HOURS. THIS DOCUMENT IS AVAILABLE FOR 30 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, UNIVERSITY OF ILLINOIS, 434 MUMFORD HALL, URBANA, ILLINOIS 61801. (JM)

VT 003 021
AGRICULTURAL PRODUCTION, CURRICULUM GUIDE.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($2.00).
PUB DATE - 67 144P.

DESCRIPTORS - *CURRICULUM GUIDES; *CURRICULUM; *VOCATIONAL AGRICULTURE; ANIMAL SCIENCE; PLANT SCIENCE; AGRICULTURAL ENGINEERING; HIGH SCHOOLS; FARM MANAGEMENT; SUPERVISED FARM PRACTICE; LEADERSHIP TRAINING; CURRICULUM DEVELOPMENT; GUIDELINES

ABSTRACT - THE PURPOSE OF THIS GUIDE IS TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN DEVELOPING AN AGRICULTURAL PRODUCTION CURRICULUM. IT WAS DEVELOPED BY A COMMITTEE OF SUPERVISORS, TEACHER EDUCATORS, AND TEACHERS AND TESTED IN LOCAL SCHOOLS. IT PROVIDES GUIDELINES FOR CURRICULUM DEVELOPMENT AS RELATED TO PROGRAM AREAS, BASIC ASSUMPTIONS, SUBJECT MATTER SELECTION, SEQUENCE, AND VOCATIONAL OBJECTIVES. PROCEDURES FOR RECORDING DATA ON THE CURRICULUM SHEETS ARE OUTLINED. MAJOR SUBJECT AREAS INCLUDE PLANT SCIENCE, ANIMAL SCIENCE, AGRICULTURAL MECHANICS, AND FARM BUSINESS

MANAGEMENT. EACH MAJOR AREA IS DIVIDED INTO TEACHING UNITS, AND EACH UNIT INCLUDES TIME ALLOTMENT, VOCATIONAL OBJECTIVES, MAJOR COMPETENCIES TO BE ATTAINED, AND A SUBJECT MATTER OUTLINE. SECTIONS ON SUPERVISED OCCUPATIONAL EXPERIENCES AND LEADERSHIP TRAINING ARE INCLUDED. THE GUIDE IS APPROPRIATE FOR HIGH SCHOOL PROGRAMS WITH FARMING AND FARM-RELATED OCCUPATIONAL FOCUS IN THE MIDWESTERN UNITED STATES. (JM)

VT 003 038
PRODUCING HIGH ALFALFA YIELDS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-4032A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - MAY67 22P.

DESCRIPTORS - *TEXTBOOKS; *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FORAGE CROPS; *AGRICULTURAL PRODUCTION

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE VOCATIONAL AGRICULTURE STUDENTS WITH TEXTUAL OR REFERENCE MATERIAL ON ALFALFA PRODUCTION. IT WAS PREPARED BY A TEACHER EDUCATOR AFTER DEVELOPMENT BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. INFORMATION IN THE DOCUMENT ANSWERS THE QUESTIONS: (1) WHAT ARE THE SOIL REQUIREMENTS, (2) WHAT VARIETY SHOULD I SELECT, (3) WHAT FACTORS SHOULD I CONSIDER WHEN PURCHASING SEED, (4) HOW CAN I ESTABLISH A STAND OF ALFALFA, (5) HOW SHOULD I HARVEST THE GROWING CROP, (6) WHAT DISEASES AFFECT ALFALFA, AND (7) WHAT INSECTS ATTACK ALFALFA. THE MATERIAL IS APPROPRIATE FOR HIGH SCHOOL STUDENTS OR ADULT FARMERS OF AVERAGE ABILITY WITH AGRICULTURAL INTEREST AND AN OCCUPATIONAL OBJECTIVE. THE TEACHER SHOULD BE COMPETENT IN AGRICULTURE. IT IS DESIGNED FOR USE OVER A PERIOD RANGING FROM 2 TO 6 HOURS. (JM)

VT 003 166
MCDONOUGH, FRANCES S.
GUIDE FOR COURSE OF STUDY FOR FARMER GENERAL.

TENNESSEE STATE DEPT. OF EDUCATION, NASHVILLE
VOCATIONAL CURRICULUM LABORATORY, BOX 1114, MURFREESBORO, TENNESSEE 37130 (SINGLE COPY, $2.00).
PUB DATE - 67 152P.

DESCRIPTORS - *CURRICULUM GUIDES; *WORKBOOKS; AGRICULTURAL EDUCATION; *FARMERS; *AGRICULTURAL PRODUCTION; POST SECONDARY EDUCATION; BIBLIOGRAPHIES; GLOSSARIES

ABSTRACT - OBJECTIVES ARE TO DEVELOP SKILLS, KNOWLEDGE, INTERESTS, UNDERSTANDING, AND ATTITUDES NEEDED FOR EFFICIENT FARM MANAGEMENT, SAFETY, AND FACTORS AFFECTING FARMING. UNITS ARE: (1) PROJECT ORIENTATION AND FARM SAFETY, (2) RECORDS, (3) SOILS, (4) CROP PRODUCTION, (5) LIVESTOCK PRODUCTION, (6) PLANNING THE FARM PROGRAM, (7) FARM BUSINESS, AND (8) THE FARMER AND THE COMMUNITY. LISTS OF SUGGESTED REFERENCES AND INSTRUCTIONAL AIDS, A GLOSSARY, AND A FARM MANAGEMENT WORKBOOK ARE INCLUDED. TEACHERS OF THE COURSE SHOULD HAVE AGRICULTURAL COMPETENCY AND TEACHER TRAINING. STUDENTS SHOULD MEET MDTA SELECTION CRITERIA WHICH INCLUDE A LESS-THAN-$1,200 ANNUAL NET INCOME. THEY SHOULD BE OVER 20 YEARS OF AGE AND SHOULD COMMIT THEMSELVES TO REMAIN IN THE TRAINING PROGRAM FOR ONE CYCLE OF FARM PRODUCTION. TIME REQUIRED FOR THE COURSE IS 1,440 HOURS. THIS DOCUMENT IS AVAILABLE IN SINGLE COPY ONLY FOR $2.00 FROM VOCATIONAL CURRICULUM LABORATORY, BOX 1114, MURFREESBORO, TENNESSEE 37130. (JM)

VT 003 248
ROUSEK, EDWIN J.
PRINCIPLES OF JUDGING LIGHT HORSES (3RD EDITION).

FRESNO STATE COLLEGE BOOKSTORE, FRESNO STATE COLLEGE, FRESNO, CALIFORNIA 93726 ($1.50).
PUB DATE - 65 36P.

DESCRIPTORS - *HORSES; *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - THIS STUDY GUIDE ON HORSE JUDGING WAS DEVELOPED AND REFINED BY AN ANIMAL SCIENCE PROFESSOR DURING 10 YEARS OF USE IN COLLEGE CLASSES. INCLUDED ARE SECTIONS ON LIGHT HORSE JUDGING, FAULTS, DEFECTS IN ACTION, UNSOUNDNESS, PARTS, TEETH, CIRCULATORY SYSTEM, MUSCLES, INTERNAL ORGANS, THE NERVOUS SYSTEM, COMMON DISEASES, GUIDE FOR GIVING ORAL REASONS, TERMS OF CRITICISM, AND SCORE CARDS. THE MODERN CONCEPT OF JUDGING LIGHT HORSES IS EXPLAINED IN LOGICAL STEPS TO HELP A BEGINNING STUDENT BECOME A PROFICIENT HORSE JUDGE. THE GUIDE FOR GIVING ORAL REASON WILL HELP THE STUDENT DEVELOP THE ABILITY TO THINK AND SPEAK EFFECTIVELY IN A CONTEST SITUATION. STUDENTS SHOULD BE 14 YEARS OF AGE OR OLDER AND INTERESTED IN HORSES. THE SUGGESTED TIME ALLOTMENT IS 9 HOURS. THE TEXT IS ILLUSTRATED WITH LINE DRAWINGS. (WB)

VT 003 267
DRAWBAUGH, CHARLES C.
SIX SELECTED INSTRUCTIONAL AIDS FOR TEACHERS OF AGRICULTURE.

RUTGERS, THE STATE UNIV., NEW BRUNSWICK, N.J. VOCATIONAL-TECHNICAL CURRICULUM LABORATORY, RUTGERS UNIVERSITY, 10 SEMINARY PLACE, NEW BRUNSWICK, NEW JERSEY 08903 ($1.00).
PUB DATE - MAR67 60P.

DESCRIPTORS - *INSTRUCTIONAL AIDS; *VOCATIONAL AGRICULTURE; *LANDSCAPING; *SOIL SCIENCE; *PLANT IDENTIFICATION; TRANSPARENCIES; FILMSTRIPS; PUBLIC RELATIONS
IDENTIFIERS - FUTURE FARMERS OF AMERICA

ABSTRACT - THIS DOCUMENT DESCRIBES AIDS FOR TEACHER USE IN VOCATIONAL AGRICULTURE CLASSES, OR FOR PROMOTING THE AGRICULTURAL PROGRAM. THE AIDS WERE DEVELOPED AT AN INSERVICE INSTITUTE BY TEACHER COMMITTEES WHO CONSULTED SUBJECT MATTER SPECIALISTS.

INCLUDED ARE (1) OVERHEAD PROJECTION TRANSPARENCY MASTERS ON LANDSCAPE PLANNING, (2) INFORMATION AND DIRECTIONS FOR MAKING SOIL MONOLITHS, (3) A SUGGESTED FORM AND PERTINENT INFORMATION FOR TEACHING IDENTIFICATION OF 54 LANDSCAPE PLANTS, (4) QUESTIONS AND ANSWERS ABOUT VOCATIONAL AGRICULTURE AND THE FUTURE FARMERS OF AMERICA FOR A RECRUITMENT BROCHURE, (5) A DESCRIPTION OF 51 SLIDES FOR PROMOTION OF THE AGRICULTURAL PROGRAM, AND (6) PLANS FOR AN ELECTRIC QUIZ BOARD. (JM)

VT 003 282   ED 018 622
KREWATCH, A.V.
ELECTRIFICATION PROGRAMS AND MATERIALSL FOR VOCATIONAL AGRICULTURE, TECHNICAL OCCUPATIONS, AND TRADE ANDNINDUSTRY TEACHING PROGRAMS AND FOR 4-H ELECTRIC CLUBS.

FARM ELECTRIFICATION COUNCIL, OAKBROOK, ILL.
FARM ELECTRIFICATION COUNCIL, BOX 1008, OAKBROOK, ILLINOIS 60523 ($1.00 FOR MEMBERS AND $1.50 TO NONMEMBERS).
PUB DATE -   67 99P.

DESCRIPTORS - *BIBLIOGRAPHIES; *ELECTRICITY; *VOCATIONAL AGRICULTURE; YOUTH CLUBS; TEXTBOOKS; REFERENCE MATERIALS;N*INSTRUCTIONAL MATERIALS; *TRADE AND INDUSTRIAL EDUCATION; TECHNICAL EDUCATION

ABSTRACT - TECHNICAL INFORMATION, TEACHING GUIDES, DEMONSTRATION GUIDES, TEXTBOOKS, HANDBOOKS, BULLETINS, CIRCULARS, CHARTS, SLIDES, AND FILMS ARE INCLUDED IN THE 613 ITEMS OF ELECTRIC AND ELECTRIFICATION TEACHING MATERIALS ASSEMBLED AND EDITED BY SUBJECT-MATTER SPECIALISTS, EDUCATORS, AND STAFF MEMBERS OF THE FARM ELECTRIFICATION COUNCIL. THE MATERIALS ARE ORGANIZED INTO SECTIONS--(1) VOCATIONAL AGRICULTURE, (2) VOCATIONAL-TECHNICAL AND TRADE AND INDUSTRY, (3) 4-H CLUB IN WHICH ITEMS ARE ARRANGED BY STATES, (4) VISUAL AIDS, AND (5) TEXTBOOKS, HANDBOOKS, AND PUBLICATIONS. EACH SECTION HAS A CROSS REFERENCE LIST. THE TITLE, RELATED INFORMATION, EDUCATIONAL LEVEL, SIZE, DATE PUBLISHED, WHEN AVAILABLE, SOURCE, CONTENTS, AND COMMENTS FOR EACH LISTING ARE GIVEN. THIS DOCUMENT IS AVAILABLE FOR $1.00 TO MEMBERS AND $1.50 TO NONMEMBERS FROM FARM ELECTRIFICATION COUNCIL, BOX 1008, OAKBROOK, ILLINOIS 60523. (WB)

VT 003 373
SIMPLIFYING FARM WORK.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-2036
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, URBANA, ILLINOIS 61801 ($.20).
PUB DATE -   MAY63 17P.

DESCRIPTORS - *WORK SIMPLIFICATION; *TEXTBOOKS; REFERENCE BOOKS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL IS PROVIDED ON THE SIMPLIFICATION OF FARM WORK FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER CLASSES. IT WAS PREPARED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. THE MATERIAL COVERS (1) REASONS FOR SIMPLIFYING FARM WORK, (2) THE WORK SIMPLIFICATION PROCEDURE, (3) ILLUSTRATION OF FARM WORK SIMPLIFICATION, (4) LABOR REDUCTION IN SILAGE FEEDING AND EGG PRODUCTION, AND (5) INVESTMENT IN LABOR-SAVING EQUIPMENT. THE MATERIAL IS TO BE USED FOR 1-4 HOURS BY TEACHERS WITH AGRICULTURAL COMPETENCY AND STUDENTS WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL GOALS IN PRODUCTION AGRICULTURE. CONCEPTS ARE ILLUSTRATED WITH GRAPHS, TABLES, AND PHOTOGRAPHS. (JM)

VT 003 374
CARING FOR THE SOW AND LITTER AT FARROWING TIME.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-1037
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE -   MAY63 11P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *SWINE

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL IN SWINE FARROWING FOR USE WITH HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS IS PRESENTED. THE MATERIAL WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. THE SECTIONS ARE (1) HOW SHOULD I PREPARE THE FARROWING UNIT, (2) HOW SHOLD I PREPARE THE SOW FOR FARROWING, (3) WHAT SHOULD I GIVE THE SOW AT FARROWING TIME, (4) HOW SHOULD I FEED THE SOW AFTER FARROWING, (5) WHAT CARE SHOULD I GIVE THE LITTLE PIGS, AND (6) HOW SHOULD I CARE FOR LARGE LITTERS AND ORPHAN PIGS. DESIGNED FOR USE BY TEACHERS WITH AGRICULTURAL COMPETENCY AND STUDENTS OF AVERAGE ABILITY AND INTEREST IN PRODUCTION AGRICULTURE, THE MATERIAL WOULD REQUIRE 1 TO 2 HOURS FOR USE. IT IS ILLUSTRATED WITH DRAWINGS, PHOTOGRAPHS, AND TABLES. (JM)

VT 003 375
RECORD KEEPING ON THE FARM.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-2008A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE -   MAY63 11P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FARM ACCOUNTS; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL ON FARM ACCOUNTS FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS IS PRESENTED. IT WAS DEVELOPED BY A

TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. SECTIONS INCLUDE ESTABLISHING A RECORD SYSTEM, FARM RECORD BOOK ORGANIZATION, FARM RECORD BOOK ENTRIES, AND FARM RECORD BOOK SUMMARIZATION. DESIGNED FOR USE FOR 1 OR 2 HOURS, THE MATERIAL IS APPROPRIATE FOR HIGH SCHOOL OR ADULT STUDENTS OF AVERAGE ABILITY AND CAN BE HANDLED BY A TEACHER WITH GENERAL AGRICULTURAL COMPETENCY. (JM)

VT 003 376
FEED ADDITIVES.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-1038
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - DEC63 11P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FEEDS; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL ON VARIOUS ADDITIVES USED IN ANIMAL FEEDS FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS IS PRESENTED. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. SECTIONS ARE (1) ANTIBIOTICS, (2) ARSENICALS, (3) HORMONES, (4) TRANQUILIZERS, (5) OTHERS SUCH AS ENZYMES, LIVE YEAST CULTURES, DRIED RUMEN CULTURES, AND COPPER COMPOUNDS, AND (6) RECOMMENDATIONS. TABLES ILLUSTRATE THE TEXTUAL CONTENT. TEACHERS WITH AGRICULTURAL COMPETENCY AND STUDENTS OF AVERAGE ABILITY AND INTEREST IN PRODUCTION AGRICULTURE MAY USE THE MATERIAL IN A 1- OR 2-HOUR PERIOD. (JM)

VT 003 377
PRUNING SHADE TREES.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-5004
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - SEP67 11P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *TREES; *PRUNING; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE TEXTUAL AND REFERENCE MATERIAL FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS ON THE PRUNING OF SHADE TREES. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. SECTIONS ARE WHY DO SHADE TREES NEED PRUNING, WHEN SHOULD I PRUNE, WHAT EQUIPMENT DO I NEED, AND WHAT PRUNING OPERATIONS CAN I DO. THE DOCUMENT IS ILLUSTRATED WITH DRAWINGS AND PHOTOGRAPHS. TEACHERS USING THE MATERIAL SHOULD HAVE A GENERAL AGRICULTURAL BACKGROUND AND STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE INTEREST AND AN OCCUPATIONAL OBJECTIVE IN PRODUCTION AGRICULTURE. THE MATERIAL IS DESIGNED FOR 1 TO 2 HOURS USE. (JM)

VT 003 378
PRUNING AND TRAINING BRAMBLE FRUITS AND HIGHBUSH BLUEBERRIES.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4048
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801.
PUB DATE - DEC65 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *PRUNING; *FRUITS; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS WITH TEXTUAL AND REFERENCE MATERIAL ON THE TRAINING AND PRUNING OF SMALL FRUITS. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. THE SECTIONS ARE (1) PRUNING TOOLS, (2) SUPPORTING THE CANES, (3) PRUNING RED AND YELLOW RASPBERRIES, (4) PRUNING BLACK AND PURPLE RASPBERRIES AND ERECT BLACKBERRIES, (5) PRUNING SEMI-ERECT AND TRAINING BLACKBERRIES, AND (6) PRUNING HIGHBUSH BLUEBERRIES. PHOTOGRAPHS AND DRAWINGS ILLUSTRATE THE TEXTUAL MATERIAL. TEACHERS WITH AGRICULTURAL COMPETENCY AND STUDENTS OF AVERAGE ABILITY WITH INTEREST IN PRODUCTION AGRICULTURE MAY USE THE MATERIAL OVER A PERIOD OF 1 TO 2 HOURS. (JM)

VT 003 379
PRODUCING OATS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4023A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.15).
PUB DATE - MAY64 12P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *OATS; *AGRICULTURAL PRODUCTION

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL ON PRODUCING OATS IS PROVIDED FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, SUPERVISORS, TEACHER EDUCATORS, AND TEACHERS. SECTIONS ARE WHAT VARIETY OF SPRING OATS SHOULD I GROW, WHAT PRACTICES ARE RECOMMENDED FOR GROWING SPRING OATS, CAN WINTER OATS BE GROWN SUCCESSFULLY IN ILLINOIS, AND WHAT DISEASES ATTACK OATS. PHOTOGRAPHS AND DRAWINGS ILLUSTRATE THE TEXTUAL MATERIAL. INTERESTED HIGH SCHOOL AND ADULT STUDENTS OF AVERAGE ABILITY WILL NEED 1

TO 3 HOURS FOR USE OF THE MATERIAL. (JM)

VT 003 380
THE TWO-CYCLE ENGINE.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3020
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.25).
PUB DATE - MAY67 23P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *ENGINES; *REPAIR

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL ON THE PRINCIPLES OF TWO CYCLE ENGINE OPERATION IS PROVIDED FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. SECTIONS ARE HOW DOES THE TWO-CYCLE ENGINE OPERATE, HOW DOES THE CARBURETOR WORK, HOW DOES THE SPARK PLUG GET ITS SPARK, AND HOW CAN THE CAUSE OF ENGINE TROUBLE BE LOCATED. THE DOCUMENT IS ILLUSTRATED WITH DRAWINGS DEPICTING THE CONSTRUCTION, OPERATION, MAINTENANCE, AND REPAIR OF THE TWO-CYCLE ENGINE AND ITS COMPONENTS. ITS USE BY INTERESTED STUDENTS OF AVERAGE ABILITY WOULD TAKE BETWEEN 2 AND 6 HOURS. (JM)

VT 003 381
SMALL ENGINES, REPAIR AND OVERHAUL.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3019
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.25).
PUB DATE - DEC65 21P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *ENGINES; *REPAIR

ABSTRACT - THIS DOCUMENT PROVIDES TEXTUAL AND REFERENCE MATERIAL ON SMALL ENGINE REPAIR FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. SECTIONS ARE (1) TOOLS AND EQUIPMENT NEEDED, (2) ENGINE DISASSEMBLY, (3) CYLINDER, PISTON, AND RING WEAR MEASUREMENT, (4) CRANKPIN AND BEARING CHECKING, (5) PISTON REPLACEMENT, (6) VALVE SERVICING, (7) ENGINE HEAD REPLACEMENT, (8) CARBURETOR AND FUEL SYSTEM REPAIR, (9) IGNITION SYSTEM SERVICING, AND (10) ENGINE OPERATION AND CHECKING. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS AND DRAWINGS DESIGNED TO EMPHASIZE KEY PROCEDURES. STUDENTS WITH AVERAGE ABILITY AND INTEREST WOULD USE THE MATERIAL FOR 2 TO 6 HOURS. (JM)

VT 003 385
MEAT JUDGING AND GRADING. (REVISED).

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.30).
PUB DATE - 66 35P.

DESCRIPTORS - *UNITS OF STUDY (SUBJECT FIELDS); *TEXTBOOKS; *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *LIVESTOCK PROCESSING OCCUPATIONS; *MEAT; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL OR ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE MEAT PROCESSING BUSINESS. IT WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE BEEF JUDGING AND GRADING, PORK JUDGING, LAMB JUDGING AND CARCASS GRADING, AND RETAIL MEAT IDENTIFICATION (BEEF, PORK, LAMB, VEAL, AND VARIETY MEATS). THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES, GRADE 9 TO ADULT, WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN MEAT JUDGING AND GRADING. (WB)

VT 003 560
ANALYZING FARM RECORDS TO INCREASE FARM INCOME . ADULT-FARMER COURSE 4.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, COLLEGE
OF EDUCATION, UNIVERSITY OF KENTUCKY,
LEXINGTON, KENTUCKY 40506 ($1.00).
PUB DATE - 63 25P.

DESCRIPTORS - *TEACHING GUIDES; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *RECORDKEEPING; FARM ACCOUNTS; ADULT FARMER EDUCATION

ABSTRACT - FINANCIAL AND MANAGERIAL INFORMATION NEEDED BY AGRICULTURAL TEACHERS AS REFERENCE MATERIAL IN TEACHING FARM MANAGEMENT TO ADULT FARMER CLASSES IS PRESENTED. THE MATERIAL WAS PREPARED BY AN INDIVIDUAL TEACHER EDUCATOR. MAJOR TOPICS ARE (1) THE FINANCIAL SUMMARY, (2) FARM INCOME STATEMENT, (3) UNDERSTANDING THE RESULTS OF THE YEAR'S BUSINESS, (4) USE OF COMPARISONS IN ANALYZING THE FARM BUSINESS, (5) ANOTHER LOOK AT THE FACTORS AFFECTING FARM INCOME, (6) AN EXERCISE IN FARM MANAGEMENT, (7) FINDING YOUR FARM BUSINESS LEAKS, (8) OTHER MEASURES OF PERFORMANCE, (9) CHANGES TO MAKE IN THE FARM BUSINESS, AND (10) DETERMINING FARM AND FAMILY GOALS. SUGGESTIONS FOR MOTIVATING CLASS MEMBERS, TEACHER REFERENCES, AND EXAMPLES OF FIGURING ANALYSIS FACTORS ARE INCLUDED. (WB)

VT 003 616 ED 018 637
A GUIDE FOR PREPARING COURSES OF INSTRUCTION IN VOCATIONAL AGRICULTURE IN MICHIGAN .

MICHIGAN STATE BOARD OF EDUCATION, LANSING.
DIV. OF VOCATIONAL EDUCATION

MSBE-BULL-2151
PUB DATE - 66 23P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; COURSE CONTENT; OCCUPATIONAL CLUSTERS; HIGH SCHOOLS; *EDUCATIONAL OBJECTIVES; *CURRICULUM DEVELOPMENT; AGRICULTURAL SKILLS

ABSTRACT - THE MAJOR OBJECTIVES OF THIS DOCUMENT ARE TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN DEVELOPING COURSES OF INSTRUCTION DESIGNED TO MEET THE NEEDS OF PERSONS PREPARING FOR GAINFUL EMPLOYMENT IN AGRICULTURE, AND TO HELP THOSE CURRENTLY EMPLOYED IN AGRICULTURE WHO WISH TO IMPROVE AND ADVANCE IN THEIR OCCUPATION. A CHART SHOWING A FLEXIBLE 4-YEAR HIGH SCHOOL PROGRAM FOR VOCATIONAL AGRICULTURE OFFERING BASIC AGRICULTURAL INSTRUCTION IN GRADES NINE AND 10 AND MORE SPECIALIZED OCCUPATIONAL TRAINING DURING GRADES 11 AND 12 IS PRESENTED AND EIGHT ADMINISTRATIVE AND 17 OPERATIONAL GUIDING PRINCIPLES FOR CURRICULUM CHANGE ARE LISTED. MAJOR OBJECTIVES OF VOCATIONAL AGRICULTURE EDUCATION CONCERN DEVELOPING (1) AGRICULTURAL COMPETENCIES NEEDED TO ENGAGE IN PRODUCTION AGRICULTURE AND OTHER AGRICULTURAL OCCUPATIONS, (2) AN UNDERSTANDING AND APPRECIATION OF CAREER OPPORTUNITIES AND PREPARATION NEEDED, (3) THE ABILITY TO SECURE SATISFACTORY PLACEMENT, AND (4) HUMAN RELATIONS SKILLS AND ATTITUDES, LEADERSHIP ABILITIES, AND CIVIC RESPONSIBILITIES. JOB TITLES AND COMPETENCIES ARE LISTED FOR AGRICULTURAL MACHINERY SALES AND SERVICE, SUPPLIES AND EQUIPMENT, LANDSCAPE HORTICULTURE, AGRICULTURAL SERVICE, FORESTRY AND SOIL CONSERVATION, DAIRY MANUFACTURING AND PROCESSING, LIVESTOCK MARKETING AND PROCESSING, OTHER LIVESTOCK INDUSTRY, POULTRY INDUSTRY, CROPS MARKETING AND PROCESSING, WILDLIFE AND RECREATION, AND FARM SERVICE. A THREE-PAGE BIBLIOGRAPHY IS INCLUDED. (WB)

VT 003 617
PETERSON, ROLAND
A SUGGESTED COURSE OF STUDY IN THE FARM BUSINESS ANALYSIS APPROACH TO TEACHING FARM MANAGEMENT IN COOPERATION WITH THE NEBRASKA ELECTRONIC RECORD-KEEPING PROJECT.

NEBRASKA STATE DEPT. OF EDUCATION, LINCOLN. DIV. OF VOCATIONAL EDUCATION.
PUB DATE - OCT64 71P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *FARM MANAGEMENT; POST SECONDARY EDUCATION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; COURSE CONTENT; FARM ACCOUNTS; COURSE OBJECTIVES

ABSTRACT - TO AID VOCATIONAL AGRICULTURE INSTRUCTORS IN PLANNING AND CONDUCTING COURSES OF STUDY FOR FARMERS IN FARM MANAGEMENT, THIS GUIDE WAS DEVELOPED BY A STAFF MEMBER OF THE VOCATIONAL EDUCATION DIVISION OF THE NEBRASKA DEPARTMENT OF EDUCATION. INCLUDED ARE SUGGESTED PROCEDURES TO FOLLOW IN PREPARING FOR THE FARM MANAGEMENT COURSE, COURSE OUTLINE, AND TOPICS THAT SHOULD BE COVERED. (GB)

VT 003 618
A SUGGESTED COURSE OF STUDY IN THE FARM BUSINESS ANALYSIS APPROACH TO TEACHING FARM MANAGEMENT' IN COOPERATIONNWITH THE NEBRASKA ELECTRONIC RECORD-KEEPING PROJECT.

NEBRASKA STATE DEPT. OF EDUCATION, LINCOLN. DIV. OF VOCATIONAL EDUCATION
PUB DATE - OCT64 78P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL EDUCATION; *ADULT FARMER EDUCATION; *FARM MANAGEMENT; *FARM ACCOUNTS; YOUNG FARMER EDUCATION
IDENTIFIERS - *NEBRASKA ELECTRONIC RECORD-KEEPING PROJECT

ABSTRACT - DEVELOPED BY THE STATE DEPARTMENT OF EDUCATION STAFF, THIS GUIDE IS FOR USE IN TEACHING A COURSE IN FARM BUSINESS ANALYSIS TO ADULT AND YOUNG FARMERS AND SECONDARY SCHOOL STUDENTS. CONTENT INCLUDES THE SUGGESTED PROCEDURE, A COURSE OUTLINE, RECOMMENDED MEETING DATES FOR FARM MANAGEMENT I, AND LESSON OUTLINES FOR THE FOLLOWING 10 CLASSES: (1) A NEW APPROACH TO FARM MANAGEMENT AND FARM BUSINESS ANALYSIS, (2) HOW CAN I MAKE ACCURATE INVENTORIES, (3) DEPRECIATION: HOW, WHAT, AND WHY, (4) HOW CAN I KEEP MONTHLY CASH EXPENSES, RECEIPTS, AND LIVESTOCK CHECK TABLES, (5) HOW CAN A FARM FAMILY MEASURE ITS PROGRESS, (6) WHAT ARE THE BASIC GOALS OR NEEDS OF YOUR FAMILY, (7) HOW IMPORTANT IS CROP PLANNING, (8) WHAT IS THE VALUE OF FAMILY LIVING RECORDS, (9) HOW CAN WE INTERPRET THE FIRST QUARTERLY SUMMARY, AND (10) CURRENT PROBLEM MEETING. AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH ESTABLISHED FARMERS IN DEVELOPING AN ADULT FARMER CLASS IN FARM MANAGEMENT AND FARM BUSINESS ANALYSIS. (DM)

VT 003 671
HENDERSON, G.E.
PLANNING A FARM-SHOP LAYOUT .

SOUTHERN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING BLDG., ATHENS, GA. 30601 ($1.40).
PUB DATE - JUL65 50P.

DESCRIPTORS - *TEXTBOOKS; *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; BUILDING DESIGN; DESIGN PREFERENCES; FARMERS; *FARM STRUCTURES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS REFERENCE IS FOR TEACHER AND STUDENT USE IN DESIGNING A SHOP SERVICE BUILDING FOR A FARM. IT WAS DEVELOPED BY A SUBJECT AREA SPECIALIST AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS. UNITS ARE: (1) WHETHER TO BUILD A FARM SHOP, (2) WHAT TYPE OF SHOP TO BUILD, (3) WHERE TO LOCATE THE SHOP, (4) HOW TO DETERMINE SIZE AND LOCATION OF SERVICE AREA, (5) HOW TO ARRANGE YOUR METALWORKING AREA, (6) HOW TO ARRANGE YOUR WOODWORKING AREA, (7) HOW TO ARRANGE MISCELLANEOUS EQUIPMENT, (8) HOW TO ARRANGE YOUR STORAGE SPACE, (9) HOW

MUCH WINDOW SPACE AND WHERE TO LOCATE, (10) WHAT KIND OF HEATING SYSTEM TO INSTALL, (11) WHAT KIND OF VENTILATING SYSTEM TO USE, (12) HOW MUCH AND WHAT KIND OF LIGHTING, (13) WHAT OUTLETS AND SWITCHES TO INSTALL, (14) HOW MANY BRANCH CIRCUITS TO USE, AND (15) WHAT SIZE SERVICE-ENTRANCE EQUIPMENT TO INSTALL. THE TEACHER SHOULD BE A COLLEGE GRADUATE IN EDUCATION. THE DOCUMENT CONTAINS TWO TABLES AND FORTY-SEVEN ILLUSTRATIONS. THE FILMSTRIP ENTITLED "PLANNING A FARM SHOP LAYOUT" IS RECOMMENDED FOR USE WITH THIS DOCUMENT. (DM)

VT 003 672
GRAY, AVERY, ED.; STROUSE, JOHN, ED.
HOOSIER VOCATIONAL HORTICULTURE. COURSE IN LANDSCAPING .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS CENTER, INDUSTRIAL EDUCATION DEPARTMENT, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.75).
PUB DATE - OCT67 58P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *LANDSCAPING; *ORNAMENTAL HORTICULTURE OCCUPATION; *PLANT SCIENCE; EMPLOYMENT OPPORTUNITIES; ORNAMENTAL HORTICULTURE; AGRICULTURAL ENGINEERING; SITE DEVELOPMENT; GROUNDS KEEPERS; SECONDARY GRADES

ABSTRACT - DEVELOPED BY HIGH SCHOOL VOCATIONAL TEACHERS FOR USE WITH STUDENTS INTERESTED IN CAREERS IN HORTICULTURE PRODUCTION, MAINTENANCE, AND SERVICE, THIS TEACHING GUIDE IS SUITABLE FOR INTRODUCTORY OR VOCATIONAL COURSES IN LANDSCAPING. MODULES WITHIN THIS UNIT MAY BE EXTRACTED AND INCLUDED IN THE VOCATIONAL AGRICULTURE CURRICULUM. THE MODULES ARE: (1) OCCUPATIONAL OPPORTUNITIES IN LANDSCAPING, (2) DEVELOPING A LANDSCAPE PLAN, (3) SELECTING PLANT MATERIALS, (4) PLANTING ORNAMENTAL TREES, SHRUBS AND FLOWERS, (5) LANDSCAPING EQUIPMENT, AND (6) CARE AND MANAGEMENT OF LANDSCAPE PLANTS. EACH MODULE CONTAINS THE MAJOR TEACHING OBJECTIVE, SUGGESTED TIME ALLOTMENT, SUGGESTED OCCUPATIONAL EXPERIENCES, THE LESSON TITLES, THE LESSON OBJECTIVE, DISCUSSION QUESTIONS, REFERENCES, AND SPECIAL LEARNING ACTIVITIES. TEACHERS SHOULD BE COMPETENT IN VOCATIONAL AGRICULTURE, BOTANY OR HORTICULTURE AND SHOULD USE ADDITIONAL RESOURCE MATERIAL AVAILABLE FROM THE VOCATIONAL INSTRUCTIONAL MATERIALS CENTER AT THE INDIANA STATE UNIVERSITY. (DM)

VT 003 831 ED 025 590
VOCATIONAL EDUCATION IN LIFE SCIENCE, RECREATION AND AGRICULTURE; COURSE OPTIONS AND SUGGESTED COURSES OF STUDY FOR NEW HAMPSHIRE HIGH SCHOOLS .

NEW HAMPSHIRE AGRICULTURAL TEACHERS' ASSOCIATION
NEW HAMPSHIRE UNIV., DURHAM. AGRICULTURAL EDUCATION PROGRAM
NEW HAMPSHIRE STATE DEPT. OF EDUCATION, CONCORD. VOCATIONAL TECHNICAL EDUCATION DIV.
PUB DATE - 67 194P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *CURRICULUM DEVELOPMENT; *CURRICULUM; *COURSE CONTENT; COURSE ORGANIZATION; HIGH SCHOOLS; AGRICULTURAL PRODUCTION; ORNAMENTAL HORTICULTURE; FORESTRY; NATURAL RESOURCES; AGRICULTURAL ENGINEERING; AGRICULTURAL SUPPLIES; AGRICULTURAL EDUCATION; STATE CURRICULUM GUIDES; GRADE ORGANIZATION; BIBLIOGRAPHIES
IDENTIFIERS - NEW HAMPSHIRE

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS IN COOPERATION WITH STATE SUPERVISORS OF AGRICULTURAL EDUCATION, THIS CURRICULUM GUIDE IS FOR USE BY TEACHERS, TEACHER EDUCATORS, GUIDANCE DEPARTMENTS, AND SCHOOL ADMINISTRATORS. THE 4-YEAR CURRICULUM WAS DESIGNED FOR VOCATIONAL AGRICULTURE STUDENTS IN GRADES NINE THROUGH 12 INTERESTED IN OCCUPATIONS IN PRODUCTION AGRICULTURE, ORNAMENTAL HORTICULTURE, FORESTRY, AGRICULTURAL RESOURCES, AGRICULTURAL MECHANICS, AGRICULTURAL SUPPLIES, AGRICULTURAL PRODUCTS, AND OTHER AGRICULTURE. THE PROCEDURE SUGGESTED BY THE AUTHORS FOR CURRICULUM IMPLEMENTATION INCLUDES: (1) APPOINTING AN ADVISORY COMMITTEE, (2) STUDYING THE SCHOOL AREA TO DETERMINE NEEDS, (3) DEVELOPING LONG-RANGE GOALS, AND (4) DETERMINING THE SPECIALIZATIONS TO BE OFFERED. COURSE CONTENT FOR EACH OCCUPATIONAL AREA IS OUTLINED WITH THE LEVEL OF SPECIALIZATION INCLUDED. INTRODUCTORY MATERIAL IS PROVIDED FOR NINTH AND 10TH GRADE STUDENTS AND SPECIALIZED MATERIAL FOR 11TH AND 12TH GRADE STUDENTS. SUPPLEMENTARY MATERIAL INCLUDES A 118 ITEM BIBLIOGRAPHY. (DM)

VT 003 887
CORN INSECTS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4040
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - MAY61 12P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *CORN (FIELD CROP); *ENTOMOLOGY; HIGH SCHOOLS; *INSECTICIDES; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN CORN PRODUCTION. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) INSECTS THAT ATTACK CORN SEED, (2) INSECTS THAT ATTACK ROOTS, (3) INSECTS THAT ATTACK STALKS, LEAVES, AND EARS, AND (4) CHEMICAL CONTROL. INFORMATION ABOUT EACH INSECT INCLUDES DESCRIPTION, LIFE CYCLE, AND DAMAGE IT DOES. THE SUGGESTED TIME ALLOTMENT IS 1 TO 3 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL

WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN CROP PRODUCTION. DRAWING, PHOTOGRAPHS, AND TABULAR INFORMATION ARE INCLUDED. (WB)

VT 003 895
MCCLURE, W.W.; DAWSON, C.G.
CUSTOM SPRAYING ; A SHORT COURSE INSTRUCTIONAL GUIDE FROM AGRICULTURAL AND BIOLOGICAL EDUCATION.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. DIV. OF VOCATIONAL TECHNICAL PROGRAMS
PUB DATE - MAY64 21P.

DESCRIPTORS - COMMUNITY COLLEGES; *TEACHING GUIDES; CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *PESTICIDES; *AGRICULTURAL CHEMICAL OCCUPATIONS; ADULT VOCATIONAL EDUCATION; BIBLIOGRAPHIES

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COURSE FOR CUSTOM SPRAY OPERATORS. IT WAS DEVELOPED BY CURRICULUM SPECIALISTS IN AGRICULTURAL AND BIOLOGICAL EDUCATION AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES. THE OUTLINE OF THIS 72-HOUR COURSE INCLUDES (1) UNDERSTANDING PESTICIDES, (2) RESPONSIBILITIES OF THOSE USING PESTICIDES, (3) HANDLING PESTICIDES SAFELY, (4) SOURCES OF PESTICIDE INFORMATION, (5) PESTICIDE TERMINOLOGY AND CALCULATIONS, (6) PESTICIDE APPLICATION EQUIPMENT, (7) CONTROLLING PESTS IN FIELD CROPS, TOBACCO, COTTON, CORN, SOYBEANS, (8) SMALL AUXILIARY ENGINES AND MECHANICS, (9) ECONOMICS OF CUSTOM OPERATION, AND (10) CUSTOMER RELATIONS AND SALESMANSHIP. THE COURSE IS DESIGNED FOR CUSTOM SPRAY OPERATORS ENROLLED IN COMMUNITY COLLEGES OR TECHNICAL INSTITUTES. TEACHERS SHOULD BE AGRICULTURAL COLLEGE GRADUATES WITH COURSE WORK IN PESTICIDES. A BIBLIOGRAPHY OF REFERENCE MATERIAL FOR EACH SECTION IS INCLUDED IN THE DOCUMENT. (DM)

VT 003 899
LANDSCAPE HORTICULTURE FOR PRE-EMPLOYMENT LABORATORY TRAINING IN VOCATIONAL AGRICULTURE , A HANDBOOK FOR TEACHERS.

TEXAS EDUCATION AGENCY, AUSTIN
TEXAS A AND M UNIV., COLLEGE STATION
AGRICULTURAL TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($0.60).
PUB DATE - 67 45P.

DESCRIPTORS - *LESSON PLANS; *TEACHING GUIDES; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *ORNAMENTAL HORTICULTURE; GRADE 11; GRADE 12; BIBLIOGRAPHIES; *LANDSCAPING

ABSTRACT - LESSON PLANS FOR PREEMPLOYMENT LABORATORY TRAINING IN LANDSCAPE HORTICULTURE ARE PRESENTED FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS IN ORNAMENTAL HORTICULTURE. THEY WERE DESIGNED BY A SUBJECT-MATTER SPECIALIST AND A COMMITTEE OF VOCATIONAL AGRICULTURE TEACHERS DURING A 3-WEEK TRAINING PROGRAM. THE PLANS ARE (1) PLANT GROWTH CHARACTERISTICS, (2) GROWTH HABITS AND STEM CHARACTERISTICS, (3) DEFINITIONS, TERMS, AND METHODS OF CLASSIFICATION, (4) LEAF CHARACTERISTICS, (5) FRUIT CHARACTERISTICS, (6) MORPHOLOGICAL TERMINOLOGY AND FLOWER CHARACTERISTICS, (7) CHARACTERISTICS OF SOIL OR PH REACTIONS, (8) MAINTENANCE PROBLEMS WITH HORTICULTURE PLANTS. EACH PLAN CONTAINS OBJECTIVES, MATERIALS, GENERAL INFORMATION, PROCEDURES, REFERENCES, AND, IN MOST CASES, LINE DRAWING ILLUSTRATIONS. VOCATIONAL AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE STUDENTS WHO HAVE AN INTEREST AND OCCUPATIONAL OBJECTIVES IN LANDSCAPE HORTICULTURE. A LIST OF REFERENCES FOR GENERAL, REGIONAL, OCCUPATIONAL, LANDSCAPING, GREENHOUSE, AND PROPAGATION INFORMATION IS INCLUDED. (WB)

VT 003 953
HEMMING, CLARENCE
FARM BUSINESS MANAGEMENT, AN INSTRUCTOR'S GUIDE.

MINNESOTA UNIV., MINNEAPOLIS.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
PUB DATE - 67 159P.

DESCRIPTORS - *ADULT FARMER EDUCATION; *RECORDKEEPING; *FARM MANAGEMENT; *CURRICULUM GUIDES; *LESSON PLANS

ABSTRACT - TO IMPROVE THE INCOME OF FARM OPERATORS THROUGH INSTRUCTION IN RECORDKEEPING AND BUSINESS MANAGEMENT PRINCIPLES AND TO PROVIDE A BASIS FOR CONTINUING EDUCATION TO IMPROVE EFFICIENCY OF FARMERS, THIS GUIDE WAS PREPARED FOR THE DIVISION OF VOCATIONAL AND TECHNICAL EDUCATION UNDER CONTRACTUAL ARRANGEMENT WITH THE UNIVERSITY OF MINNESOTA. THE COURSE IS DIVIDED INTO THREE 1-YEAR PROGRAMS. THE FIRST-YEAR PROGRAM IS DESIGNED TO DEVELOP UNDERSTANDING OF THE FARM AS A BUSINESS VENTURE. THE SECOND-YEAR PROGRAM CONCENTRATES ON ANALYSIS OF RECORDS, INTERPRETATION OF ANALYSIS, AND MANAGEMENT DECISIONS. THE THIRD YEAR IS DEVOTED TO DETAILED ANALYSIS AND INTERPRETATION. CLASSROOM INSTRUCTION, ON-FARM INSTRUCTION, RELATED ACTIVITIES, RECORD ANALYSIS, CLASS SIZE, SECURING ENROLLMENT, ENROLLMENT CONTRACTS, SUCCESS FACTORS, AND TEACHER QUALIFICATIONS ARE DESCRIBED. EACH YEARLY PROGRAM IS DIVIDED INTO COURSE UNITS WHICH INCLUDE OBJECTIVES, AN OUTLINE, TEACHING SUGGESTIONS, SUPPLEMENTAL INFORMATION, AND REFERENCES. THE APPENDIX INCLUDES PROCEDURAL FORMS. (JM)

VT 003 964
MASSEY, PHILLIP; STEAKLEY, LEN
MEAT PROCESSING PLANT EMPLOYEE, TEACHER'S COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($4.75).
PUB DATE - 67 250P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *LIVESTOCK PROCESSING OCCUPATIONS; *MEAT; GRADE 11; GRADE 12; TESTS; *ANSWER KEYS; *STUDY GUIDES

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE MEAT PROCESSING BUSINESS IS PRESENTED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PREPARING STUDENTS ENROLLED IN COOPERATIVE TRAINING PROGRAMS FOR MEAT PROCESSING PLANT EMPLOYMENT. IT WAS PREPARED BY VOCATIONAL AGRICULTURE TEACHERS, SUBJECT-MATTER SPECIALISTS, AND STATE ADVISORY COMMITTEE. TITLES OF INSTRUCTIONAL UNITS ARE: (1) INTRODUCTION, (2) QUALITY OF MEAT, (3) MEAT IDENTIFICATION, (4) SLAUGHTERING, (5) CARCASS CLASSIFICATION AND GRADING, (6) MEAT FABRICATION, (7) MEAT PREPARATION, (8) DRESSING POULTRY AND GAME, (9) BY-PRODUCTS, AND (10) MARKETING. ASSIGNMENT SHEETS WITHIN EACH UNIT GIVE OBJECTIVES, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ANSWERS TO ASSIGNMENT QUESTIONS, TOPIC TESTS, AND TEST ANSWERS ARE INCLUDED. THE SUGGESTED TIME ALLOTMENT IS 225 HOURS. STUDENTS SHOULD BE AT LEAST 16 YEARS OLD, IN GRADES 11 OR 12, AND HAVE AN INTEREST IN ENTRY EMPLOYMENT IN THE MEAT PROCESSING OCCUPATION. (WB)

VT 003 965
STEPHENS, REX; WINTERS, BOBBY
DAIRY FARM WORKER, TEACHER'S COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($4.00).
PUB DATE - 67 246P.

DESCRIPTORS - *DAIRYMEN; GRADE 11; GRADE 12; TESTS; *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *ANSWER KEYS

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE OPERATION OF DAIRY FARMS IS PRESENTED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PREPARING STUDENTS ENROLLED IN COOPERATIVE TRAINING PROGRAMS TO BE DAIRY FARM WORKERS. IT WAS PREPARED BY VOCATIONAL AGRICULTURE TEACHERS, SUBJECT MATTER SPECIALISTS, AND A STATE ADVISORY COMMITTEE. TITLES OF INSTRUCTIONAL UNITS ARE (1) INTRODUCTION, (2) MECHANICAL MILKING EQUIPMENT, (3) THE MILKING PROCESS, (4) CLEANING AND SANITATION, (5) MILK QUALITY, (6) FEEDING DAIRY COWS AND CALVES, (7) HEALTH AND SANITATION, (8) BREEDING AND MANAGEMENT, (9) SELECTING FOUNDATION STOCK, (10) MARKETING MILK, AND (11) FARM AND BUILDING MAINTENANCE. ASSIGNMENT SHEETS WITHIN EACH UNIT CONTAIN OBJECTIVES, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ANSWERS TO ASSIGNMENT QUESTIONS, TOPIC TESTS, AND TEST ANSWERS ARE INCLUDED. THE SUGGESTED TIME ALLOTMENT IS 200 HOURS. STUDENTS SHOULD BE AT LEAST 16 YEARS OLD, IN GRADE 11 OR 12, AND HAVE INTERESTS AND OBJECTIVES IN THE DAIRY FARM WORKER OCCUPATION. (WB)

VT 003 966
WILLIAMS, HENRY; COOLEY, GABE
POULTRY HATCHERY EMPLOYEE, TEACHER'S COPY.

TEXAS A AND M UNIV., COLLEGE STATION
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($2.00).
PUB DATE - 67 133P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); GRADE 12; *POULTRY HATCHERY EMPLOYEES; *TEXTBOOKS; GRADE 11; EMPLOYERS; REFERENCE MATERIALS; *POULTRY

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE POULTRY HATCHERY INDUSTRY IS PRESENTED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PREPARING VOCATIONAL AGRICULTURE STUDENTS ENROLLED IN COOPERATIVE TRAINING PROGRAMS FOR POULTRY HATCHERY EMPLOYMENT. IT WAS DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS, SUBJECT-MATTER SPECIALISTS, AND A STATE ADVISORY COMMITTEE. UNIT TITLES ARE (1) INTRODUCTION TO THE HATCHERY INDUSTRY, (2) RECEIVING, HANDLING AND PROCESSING EGGS, AND KEEPING RECORDS, (3) OPERATION AND MAINTENANCE OF CONTROLS, (4) POWER FAILURES AND AUXILIARY POWER SYSTEMS, (5) SANITATION, (6) CARE AND MANAGEMENT OF CHECKS AND POULTS AT HATCHERY, AND (7) PRODUCTION OF HATCHING EGGS. ASSIGNMENT SHEETS WITHIN EACH UNIT CONTAIN OBJECTIVES, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ANSWERS TO ASSIGNMENT QUESTIONS, TOPIC TESTS, AND TEST ANSWERS ARE INCLUDED. THE SUGGESTED TIME ALLOTMENT IS 100 HOURS. STUDENTS SHOULD BE AT LEAST 16 YEARS OLD, IN GRADE 11 OR 12, AND HAVE OCCUPATIONAL OBJECTIVES IN POULTRY HATCHERY EMPLOYMENT. (WB)

VT 003 967
PAGE, FOY
RESOURCE MATERIAL FOR LESSON PLANS IN GREENHOUSE MANAGEMENT, ELECTRICAL APPLICATIONS FOR GREENHOUSES.

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER
TEXAS EDUCATION AGENCY, AUSTIN
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY COLLEGE STATION, TEXAS 77843 ($1.00).
PUB DATE - 67 72P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *GREENHOUSES; *ELECTRICAL APPLIANCES; *RESOURCE UNITS

ABSTRACT - A RELATIVELY NEW ADDITION TO VOCATIONAL AGRICULTURE PROGRAM FACILITIES ARE GREENHOUSES WHICH ARE IDEAL FOR TEACHING ENVIRONMENTAL RELATIONSHIPS. THIS DOCUMENT PROVIDES RESOURCE MATERIAL FOR STUDENTS AND TEACHERS AS A BASIS FOR APPLYING ELECTRICAL EQUIPMENT TO GREENHOUSES FOR ENVIRONMENTAL CONTROL. IT WAS DEVELOPED BY A TEACHER COMMITTEE IN CONSULTATION WITH A STATEWIDE ADVISORY COMMITTEE. UNIT TITLES ARE (1) POTENTIAL APPLICATIONS OF ELECTRICITY, (2) SPACE HEATING IN THE GREENHOUSE, (3) HEATING BENCHES AND HOTBEDS FOR PROPAGATION, (4) COOLING THE GREENHOUSE, (5) VENTILATION AND

AIR MOVEMENT, (6) SOIL STERILIZATION, (7) PUMPING AND HUMIDITY REQUIREMENTS, (8) LIGHT IN GREENHOUSES, AND (9) PLANNING AND INSTALLING THE WIRING SYSTEM. STUDENTS SHOULD BE AT LEAST 16 YEARS OLD, IN GRADE 11 OR 12, AND PLANNING TO ENTER OCCUPATIONS RELATED TO GREENHOUSES. THE SUGGESTED TIME ALLOTMENT IS 20 HOURS. TABULAR AND LINE-DRAWING ILLUSTRATIONS ARE USED. A BIBLIOGRAPHY, SUGGESTED LIST OF REFERENCES, AND ADDRESSES OF STATE EXTENSION SERVICES ARE INCLUDED. (JM)

VT 003 968
BLASCHKE, NOLAN; PAGE, ROY
DAIRY PRODUCTS EMPLOYEE, TEACHER'S COPY.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($4.50).
PUB DATE - 67 297P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDY GUIDES; *DAIRY PROCESSING OCCUPATIONS; GRADE 11; GRADE 12; TESTS; *ANSWER KEYS

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE MILK PROCESSING INDUSTRY IS PRESENTED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PREPARING STUDENTS IN COOPERATIVE TRAINING PROGRAMS FOR MILK PROCESSING PLANT EMPLOYMENT. IT WAS PREPARED BY VOCATIONAL AGRICULTURE TEACHERS, SUBJECT MATTER SPECIALISTS, AND A STATE ADVISORY COMMITTEE. THE UNIT TITLES ARE (1) MILK PROCESSING INDUSTRY, (2) NUTRITIONAL PROPERTIES OF MILK, (3) MICROBIOLOGY AND SANITATION, (4) MILK QUALITY AND CONTROL, (5) MILK PROCESSING EQUIPMENT, (6) MILK PROCESSING, (7) BY-PRODUCTS AND SPECIALTIES, (8) PLANT EQUIPMENT MAINTENANCE, (9) ELECTRICAL POWER AND REFRIGERATION, (10) PLANT MANAGEMENT, AND (11) PLANT MAINTENANCE. ASSIGNMENT SHEETS WITHIN EACH UNIT CONTAIN OBJECTIVES, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ANSWERS TO ASSIGNMENT QUESTIONS, TOPIC TESTS, AND TEST ANSWERS ARE INCLUDED. THE SUGGESTED TIME ALLOTMENT IS 200 HOURS. STUDENTS SHOULD BE AT LEAST 16 YEARS OLD, IN GRADE 11 OR 12, AND HAVE OCCUPATIONAL OBJECTIVES IN DAIRY PROCESSING EMPLOYMENT. (WB)

VT 003 970 ED 022 858
INSTRUCTIONAL MATERIALS AVAILABLE FROM AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEXAS. PRICE LIST NO. 1 .

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
PUB DATE - AUG67 23P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *COOPERATIVE EDUCATION; *BIBLIOGRAPHIES; OFF FARM OCCUPATIONS; FARM OCCUPATIONS; *AUDIOVISUAL AIDS; TEACHING GUIDES; *INSTRUCTIONAL MATERIALS; CURRICULUM GUIDES; REFERENCE MATERIALS;
IDENTIFIERS - TEXTBOOKS; STUDY GUIDES

ABSTRACT - PRICE LISTS AND ORDER FORMS ARE PROVIDED FOR COURSES OF STUDY, LESSON PLANS, AND LABORATORY EXERCISES FOR VOCATIONAL AGRICULTURE COOPERATIVE EDUCATION AND PREEMPLOYMENT LABORATORY TRAINING. COURSES OF STUDY AND REQUIRED REFERENCES ARE LISTED FOR TRAINING EMPLOYEES FOR: (1) MILK, MEAT, AND POULTRY PROCESSING, (2) POULTRY HATCHERIES, (3) DAIRY FARMS, (4) POULTRY FARMS, (5) HORTICULTURAL OCCUPATIONS, (6) FERTILIZER SALES AND SERVICES, (7) FEED SALES AND SERVICE, (8) VETERINARY ASSISTANTS, AND (9) AGRICULTURAL MACHINERY. ALSO INCLUDED ARE FILMSTRIPS AND SLIDES WHICH SUPPLEMENT EACH COURSE OF STUDY. ORDERING INSTRUCTIONS AND SPECIAL FORMS FOR ORDERING RELATED MATERIALS IN PACKAGE FORM ARE PROVIDED. (JM)

VT 003 982
SOIL LIMING, A KEY TO BETTER FARMING.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4006A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - 62 9P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *FERTILIZERS; HIGH SCHOOLS; POST SECONDARARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN PRODUCING FARM CROPS. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHAT ARE THE KINDS OF LIMING MATERIALS, (2) WHAT OTHER FACTORS SHOULD I CONSIDER IN SELECTING LIMING MATERIALS, (3) HOW TO I DETERMINE WHICH LIMING MATERIALS TO USE, (4) HOW MUCH LIME SHOULD I APPLY, AND (5) HOW, WHEN, AND WHERE SHOULD I APPLY LIME. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES, WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABULAR DATA ON LIME USAGE ARE INCLUDED. (WB)

VT 003 983
CHOOSING THE LIVESTOCK SYSTEM.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-2014A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - 65 9P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *LIVESTOCK; *FARM MANAGEMENT; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN PLANNING FOR LIVESTOCK PRODUCTION. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) HOW MUCH INCOME WILL BE ADDED BY THE LIVESTOCK TENTATIVELY CHOSEN, (2) HOW MUCH INCOME WILL LIVESTOCK ADD IF MORE FORAGE CROPS ARE PRODUCED, AND (3) HOW MUCH INCOME WILL BE ADDED IF THE HOGS ARE PRODUCED IN CONFINEMENT. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES, WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABULAR DATA AND A SUMMARY OF LIVESTOCK ALTERNATIVES FOR THE PROBLEM FARM ARE INCLUDED. (WB)

VT 003 984
PLANNING A FERTILIZER PROGRAM.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-4010A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - 64 9P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FERTILIZERS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN PLANNING FOR THE USE OF FERTILIZERS. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. THE SUBJECT MATTER COVERS THE PROBABLE RESPONSE FROM THE USE OF PHOSPHORUS, POTASSIUM, AND FERTILIZER WHEN MORE THAN ONE ELEMENT IS LIMITING. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABULAR DATA ARE INCLUDED. (WB)

VT 003 985
CATTLE GRUBS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1035
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.05).
PUB DATE - 63 7P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *CATTLE; *ENTOMOLOGY; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN RAISING CATTLE. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE THE DESCRIPTION AND LIFE CYCLE OF CATTLE GRUBS, AND CONTROL MEASURES FOR CATTLE GRUBS. THE SUGGESTED TIME ALLOTMENT IS 1 HOUR. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. (WB)

VT 003 986
SWINE FEEDS AND FEEDING.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1036
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - 63 13P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *SWINE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIALS, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN RAISING SWINE. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHAT FEEDS SUPPLY CARBOHYDRATES, FATS, PROTEINS, MINERALS, VITAMINS, ANTIBIOTICS, AND ARSENICALS, (2) WHAT FORAGE CROPS ARE SUITABLE FOR HOGS, (3) HOW MUCH WATER SHOULD BE PROVIDED, AND (4) SHOULD SWINE RATIONS BE MIXED BY THE OPERATOR OR PURCHASED ALREADY MIXED. THE SUGGESTED TIME ALLOTMENT IS 1-3 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABULAR DATA, PHOTOGRAPHS, AND LINE DRAWINGS ARE INCLUDED. (WB)

VT 003 987
INSECT PESTS OF ILLINOIS TREES AND SHRUBS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-5005
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.45).
PUB DATE - 67 37P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *ENTOMOLOGY; *INSECTICIDES; HIGH SCHOOLS; POST SECONDARY

EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE CONTROL OF INSECT PESTS ON TREES AND SHRUBS. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE FACTS ABOUT INSECTS, DESCRIPTIONS OF PESTS, AND CONTROL MEASURES FOR INSECTS. FOR EACH OF THE 116 INSECTS, THERE IS A DESCRIPTION, ATTACK PATTERNS, AND SUGGESTED CONTROL MEASURES. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS. THE APPENDIX CONTAINS INSECT SPRAY PREPARATION TABLES. (WB)

VT 003 988
AIR COMPRESSORS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3018
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.25).
PUB DATE - 65 23P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *COMPRESSORS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION ON AIR COMPRESSORS. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE THE SELECTION, INSTALLATION, AND SERVICING OF AN AIR COMPRESSOR. THE SUGGESTED TIME ALLOTMENT IS 2-6 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. THE DOCUMENT INCLUDES (1) PROBLEMS REQUIRING THE PRACTICAL APPLICATION OF PRINCIPLES, (2) ABBREVIATIONS, (3) DEFINITIONS, (4) USEFUL FORMULAS, (5) CHECKLISTS ON INSTALLATION, CARE AND OPERATION, (6) A MAINTENANCE CHART, (7) TABULAR DATA, AND (8) PHOTOGRAPHIC AND LINE-DRAWING ILLUSTRATIONS. (WB)

VT 003 989
FARM BUILDING APPRAISAL.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3017
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.30).
PUB DATE - 64 27P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEXTBOOKS; REFERENCE BOOKS; UNITS OF STUDY (SUBJECT FIELDS); *FARM STRUCTURES; *CONSTRUCTION COSTS; *EVALUATION

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL FOR HIGH SCHOOL VOCATIONAL AGRICULTURE AND ADULT FARMER STUDENTS ON THE APPRAISAL OF FARM BUILDINGS IS PRESENTED. IT WAS PREPARED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. THE TWO PRINCIPAL SECTIONS CONCERN PROBLEMS AND METHODS OF APPRAISAL. THE AGE-LIFE ANNUAL RATE METHOD, STRAIGHT-LINE DEPRECIATION, AND CURRENT EVALUATION METHOD OF APPRAISAL ARE DISCUSSED. TYPICAL BUILDING COSTS ARE PRESENTED IN TABULAR FORM ON A PER UNIT BASIS. RATING SCALES ARE INCLUDED FOR EVALUATING RURAL HOUSES, IMPLEMENT SHEDS, SMALL-GRAIN STORAGE UNITS, EAR CORN CRIBS, BEEF OR DAIRY OPEN-FRONT SHELTERS, DAIRY BARNS, FARROWING HOUSES, FINISHING HOUSES, AND POULTRY LAYING HOUSES. A COMPETENT VOCATIONAL AGRICULTURE TEACHER MAY USE THIS MATERIAL WITH YOUTH AT LEAST 14 YEARS OLD AND ADULTS OF AVERAGE ABILITY WHO HAVE AN AGRICULTURAL INTEREST AND AN OCCUPATIONAL OBJECTIVE IN APPRAISAL. THE SUGGESTED TIME ALLOTMENT IS FROM 2 TO 8 HOURS. (JM)

VT 003 994
JUDGING MILK SEDIMENT DISCS AND MILKER UNIT HEADS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - 66 10P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *EVALUATION; *MILK; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN JUDGING MILK SEDIMENT DISCS AND MILK UNIT HEADS. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. THE SUBJECT MATTER COVERED IS (1) THE FLAVOR OF GOOD MILK, (2) THE RELATION BETWEEN TASTE AND ODOR, (3) CONDITIONS OF JUDGING MILK, (4) STEPS IN JUDGING THE FLAVOR OF MILK, (5) OFF-FLAVORS FOUND IN MILK AND THEIR PREPARATION, (6) MILK SEDIMENT DISCS AND MILKER UNIT HEAD SCORING, AND (7) CARDS USED IN STATE AND NATIONAL JUDGING CONTESTS. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. (WB)

VT 003 995
FITTING LIVESTOCK TO THE FARM.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2012A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - 65 15P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *LIVESTOCK; *FARM MANAGEMENT; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN PLANNING LIVESTOCK PRODUCTION. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHY KEEP LIVESTOCK ON THE FARM, (2) WHAT RESOURCES ARE USED BY DIFFERENT LIVESTOCK ENTERPRISES, (3) WHICH ENTERPRISES AND COMBINATIONS GIVE THE MOST PROFIT, AND (4) LIVESTOCK ENTERPRISES FOR THE PROBLEM FARM. THE SUGGESTED TIME ALLOTMENT IS 1-3 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABULAR DATA ON LIVESTOCK FEEDING, FARM FACILITIES, AND LABOR AND CAPITAL PROPORTIONS ARE INCLUDED. (WB)

VT 004 000
DOOLEY, GABE; WILLIAMS, HENRY
POULTRY PROCESSING EMPLOYEE, TEACHER'S COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS
CENTER, TEXAS AGRICULTURAL AND MECHANICAL
UNIVERSITY, COLLEGE STATION, TEXAS 77843
($2.50).
PUB DATE - 67 190P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDY GUIDES; *POULTRY PROCESSING OCCUPATIONS; GRADE 11; GRADE 12; TESTS; *ANSWER KEYS

ABSTRACT - TECHNICAL INFORMATION IS PRESENTED TO HELP VOCATIONAL AGRICULTURE TEACHERS PREPARE HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS ENROLLED IN COOPERATIVE PART-TIME TRAINING PROGRAMS FOR EMPLOYMENT IN THE POULTRY PROCESSING AND HATCHERY INDUSTRY. IT WAS DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS, SUBJECT MATTER SPECIALISTS, AND A STATE ADVISORY COMMITTEE. ASSIGNMENT SHEETS CONTAINING OBJECTIVES, REFERENCES, AND QUESTIONS OR ACTIVITIES ARE GIVEN FOR THE UNITS: (1) INTRODUCTION, (2) INSPECTION AND GRADING, (3) CARE AND USE OF EQUIPMENT, (4) SANITATION, (5) STEPS IN PROCESSING, (6) BY-PRODUCTS UTILIZATION, (7) DISTRIBUTION, AND (8) PLANT OPERATION ECONOMICS. ANSWERS FOR ASSIGNMENT QUESTIONS, TESTS FOR EACH UNIT, AND ANSWERS TO THE TESTS ARE INCLUDED. REQUIRED AND SUPPLEMENTAL REFERENCES ARE LISTED. THE SUGGESTED TIME ALLOTMENT IS 100 HOURS. STUDENTS SHOULD BE IN GRADES 11 OR 12, AT LEAST 16 YEARS OLD, AND HAVE OCCUPATIONAL OBJECTIVES IN POULTRY PROCESSING PLANTS AND POULTRY HATCHERIES. (WB)

VT 004 001
SKILES, S.E.
POULTRY FARM WORKER, EGG PRODUCTION,
TEACHER'S COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS
CENTER, TEXAS AGRICULTURAL AND MECHANICAL
UNIVERSITY, COLLEGE STATION, TEXAS 77843
($4.50).
PUB DATE - 67 391P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDY GUIDES; *POULTRY; *FARM OCCUPATIONS; FARM MANAGEMENT; GRADE 11; GRADE 12

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE COMMERCIAL POULTRY LAYING FLOCK INDUSTRY IS PRESENTED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PREPARING STUDENTS ENROLLED IN COOPERATIVE TRAINING PROGRAMS FOR THE OCCUPATION OF POULTRY FARM WORKER FOR COMMERCIAL LAYING FLOCKS. IT WAS DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS, SUBJECT MATTER SPECIALISTS, AND A STATE ADVISORY COMMITTEE. UNIT TITLES ARE: (1) INTRODUCTION TO THE POULTRY INDUSTRY, (2) SAFETY ON THE POULTRY FARM, (3) RECORDS FOR THE LAYING FLOCK, (4) MANAGEMENT PRACTICES, (5) SELECTION, CARE, AND MAINTENANCE OF MECHANICAL EQUIPMENT, (6) CLEANING, SANITATION, AND HEALTH PRACTICES, (7) PREVENTION AND CONTROL OF DISEASES, (8) CONTROLLING INTERNAL AND EXTERNAL PARASITES, (9) CONTROLLING INSECTS AND PESTS, (10) FEEDING THE LAYING FLOCK, (11) GATHERING AND PROCESSING EGGS, (12) MARKETING, AND (13) MISCELLANEOUS. ASSIGNMENT SHEETS WITHIN EACH UNIT CONTAIN OBJECTIVES, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ANSWERS TO ASSIGNMENT QUESTIONS, TOPIC TESTS, AND TEST ANSWERS ARE INCLUDED. THE SUGGESTED TIME ALLOTMENT IS 200 HOURS. STUDENTS SHOULD BE AT LEAST 16 YEARS OLD, IN GRADE 11 OR 12, AND HAVE OCCUPATIONAL OBJECTIVES OF BECOMING POULTRY FARM WORKERS WITH COMMERCIAL LAYING FLOCKS. (WB)

VT 004 033
ORNAMENTAL HORTICULTURE, A GUIDE FOR
PROVIDING INSTRUCTION FOR 11TH AND 12TH GRADE
VOCATIONAL EDUCATION IN AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION,
RALEIGH. DEPT. OF COMMUNITY COLLEGES
NORTH CAROLINA STATE DEPT. OF PUBLIC
INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL
EDUCATION
NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF
AGRICULTURAL EDUCATION
PUB DATE - JUL64 41P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *CURRICULUM GUIDES; *ORNAMENTAL HORTICULTURE OCCUPATION; GRADE 11; GRADE 12; EDUCATIONAL FACILITIES; SUPERVISED FARM PRACTICE; OCCUPATIONAL INFORMATION; FLORICULTURE; LANDSCAPING; NURSERIES (HORTICULTURE)

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL TEACHERS PROVIDING INSTRUCTION FOR JUNIOR AND SENIOR VOCATIONAL AGRICULTURE STUDENTS, THIS DOCUMENT PRESENTS A SUGGESTED 1-YEAR COURSE GUIDE FOR ORNAMENTAL HORTICULTURE. MAJOR UNITS OF STUDY ARE: (1) INTRODUCTION, ORIENTATION, AND VOCATIONAL GUIDANCE, (2) NURSERY PRACTICE, (3) FLORICULTURE, AND (4) LANDSCAPE GARDENING. THE COURSE IS STRUCTURED IN BREADTH AND DEPTH TO HELP STUDENTS PREPARE FOR ENTRY OR TO PURSUE FURTHER TRAINING IN ORNAMENTAL HORTICULTURE OCCUPATIONS. EMPLOYMENT OPPORTUNITIES AND REQUIREMENTS ARE EXPLORED IN THE FIRST UNIT AND EXPANDED IN THE THREE FOLLOWING SEGMENTS. MANY OF THE TEACHING-LEARNING ACTIVITIES COULD BE TAUGHT IN THE FORM OF ORNAMENTAL HORTICULTURE PROJECTS THROUGH THE FUTURE FARMERS OF AMERICA ORGANIZATION FOR COMMUNITY BEAUTIFICATION AND PUBLIC RELATIONS. THE APPENDIXES LIST BASIC FACILITIES AND EQUIPMENT, SUGGESTED REFERENCES, AND SOME SUGGESTIONS FOR SUPERVISED PRACTICE PROGRAMS. TRANSPARENCY MASTERS AND A TEACHING GUIDE FOR USE WITH THIS COURSE ARE ANNOUNCED AS VT 002 215 AND VT 002 693 (BOTH IN THIS ISSUE). (WB)

VT 004 064
JUDGING AND GRADING POULTRY AND EGGS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.35).
PUB DATE - JUN67 42P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *POULTRY; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL OR ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE POULTRY AND EGG BUSINESS. IT WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE JUDGING PRODUCTION BIRDS, SELECTING BREEDING STOCK, GRADING LIVE MARKET BIRDS, AND GRADING EGGS. JUDGING AND GRADING IN CONTESTS IS EMPHASIZED AND SAMPLE SCORING CARDS USED IN BOTH NATIONAL AND STATE CONTESTS AND TABLES OF STANDARDS ARE INCLUDED. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL FOR STUDENTS OF BOTH SEXES, WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN JUDGING AND GRADING POULTRY AND EGGS. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. (WB)

VT 004 070
SELECTING AND PURCHASING HOGS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1033
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - MAY62 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *SWINE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL OR ADULT STUDENTS AS A TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN SWINE PRODUCTION. IT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHAT TYPE AND BREED OF HOGS SHOULD I SELECT, (2) WHAT SHOULD I CONSIDER WHEN SELECTING BREEDING ANIMALS, (3) WHAT SHOULD I CONSIDER WHEN SELECTING FEEDER PIGS, (4) HOW CAN I PURCHASE BREEDING OR FEEDING STOCK, AND (5) WHAT ARE SOME INHERITED DEFECTS OF SWINE. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTON AGRICULTURE. TABULAR DATA, LINE DRAWINGS, AND PHOTOGRAPHS ARE INCLUDED. (WB)

VT 004 071
CARING FOR THE SWINE HERD DURING BREEDING AND GESTATION.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1034
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.05).
PUB DATE - MAY62 4P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *SWINE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL OR ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN SWINE PRODUCTION. IT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) HOW SHOULD I FEED AND CARE FOR BOARS AND SOWS, (2) WHEN AND HOW SHOULD SOWS BE FED, AND (3) HOW SHOULD I FEED AND CARE FOR THE SOWS DURING THE GESTATION PERIOD. THE SUGGESTED TIME ALLOTMENT IS 1 HOUR. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN AGRICULTURE PRODUCTION. TABULAR DATA AND PHOTOGRAPHS ARE INCLUDED. (WB)

VT 004 072
MAKING ESTIMATES OF CROP PRODUCTION AND ITS VALUE.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2007A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,

ILLINOIS 61801 ($.10).
PUB DATE - MAY63 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *FIELD CROPS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN PREPARING ESTIMATES OF CROP PRODUCTION. IT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE AN ESTIMATE OF CROP PRODUCTION, FACTORS AFFECTING CROP YIELDS, THE BASIS ON WHICH CROP YIELDS SHOULD BE ESTIMATED, AND ESTIMATED CROP PRODUCTION AND ITS VALUE ON THE PROBLEM FARM. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. GRAPHS, DIAGRAMS AND TABULAR DATA ARE INCLUDED. (WB)

VT 004 073
BALANCING THE LABOR SUPPLY AND FARM BUSINESS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2035
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - MAY63 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *FARM LABOR SUPPLY; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS INFORMATION NEEDED IN FARM PLANNING. IT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE AMOUNT OF LABOR NEEDED, PROBABLE LABOR DISTRIBUTION, METHODS OF BALANCING THE LABOR SUPPLY AND FARM BUSINESS, AND METHODS OF MEETING THE LABOR NEEDS OF THE PROBLEM FARM. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN FARM MANAGEMENT. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. LABOR REQUIREMENTS FOR DIFFERENT CROPS UNDER DIFFERENT CONDITIONS, MONTHLY DISTRIBUTION OF LABOR, AND A SAMPLE LABOR CALENDAR ARE PRESENTED IN TABULAR FORM. (WB)

VT 004 074
THE STORAGE BATTERY.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3024
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - SEP67 31P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *ELECTRICITY; MOTOR VEHICLES; HIGH SCHOOLS; POST SECONDARY EDUCATION; *BATTERIES (ELECTRICITY)

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT AND REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE CARE AND USE OF THE STORAGE BATTERY. IT WAS DEVELOPED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE: (1) WHAT ARE THE PARTS OF A BATTERY, (2) HOW DOES A BATTERY FUNCTION, (3) WHAT IS MEANT BY BATTERY CAPACITY, (4) HOW IS THE REPLACEMENT BATTERY SELECTED, (5) HOW SHOULD I INSTALL A NEW BATTERY, (6) HOW SHOULD I SERVICE THE BATTERY, (7) HOW SHOULD BATTERIES BE CHARGED, (8) WHAT FACTORS AFFECT BATTERY LIFE, (9) WHAT IS A DRY CHARGED BATTERY, (10) HOW ARE BATTERIES TESTED, AND (11) WHAT SAFETY PRECAUTIONS SHOULD BE FOLLOWED. TABULAR AND GRAPHIC DATA, DRAWINGS, AND PHOTOGRAPHS ARE INCLUDED. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTERESTS, AND OCCUPATIONAL OBJECTIVES IN AGRICULTURAL ENGINEERING OR ELECTRICAL OCCUPATIONS. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. (WB)

VT 004 075 ED 017 681
ENGINE COMPRESSION AND CYLINDER LEAKAGE TESTING.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3025
PUB DATE - SEP67 15P.

DESCRIPTORS - *ENGINES; HIGH SCHOOLS; POST SECONDARY EDUCATION; REFERENCE MATERIALS; *TEXTBOOKS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL OR ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE FARM POWER AREA OF AGRICULTURAL MECHANICS. IT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHAT ARE THE PRINCIPLES OF FOUR-CYCLE ENGINE OPERATION, (2) WHAT ARE THE EFFECTS OF CYLINDER LEAKAGE, (3) HOW IS COMPRESSION TESTED, AND (4) HOW IS A CYLINDER TESTED FOR LEAKAGE. THE SUGGESTED TIME ALLOTMENT IS 1-4 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABULAR DATA AND LINE DRAWINGS ARE INCLUDED. THIS DOCUMENT IS AVAILABLE FOR 20 CENTS FROM VOCATIONAL

AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (WB)

VT 004 076
RECOMMENDING POTASSIUM FERTILIZERS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4008A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - MAY63 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FERTILIZERS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE USE OF POTASSIUM FERTILIZERS. IT WAS DEVELOPED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE: (1) WHAT POTASH FERTILIZERSARE USED IN ILLINOIS, (2) HOW MUCH POTASH FERTILIZER SHOULD I APPLY, AND (3) HOW AND WHEN SHOULD I APPLY POTASH FERTILIZERS. FERTILIZER DATA ARE PRESENTED IN MAP, TABLES, AND LINE DRAWINGS. AN APPENDIX DISCUSSES THE NATURE OF POTASSIUM IN SOIL AND OF FERTILIZER BURN AND FERTILIZER PLACEMENT. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES, WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN AGRICULTURAL FERTILIZERS. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. (WB)

VT 004 077
CONTROLLING INSECTS OF VEGETABLE CROPS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4047
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - MAY64 20P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *ENTOMOLOGY; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL OR ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN CONTROLLING INSECTS OF VEGETABLE CROPS. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) GENERAL FEEDERS ON GARDEN CROPS, (2) INSECT PESTS OF CABBAGE AND RELATED CROPS, AND (3) GENERAL CONTROL MEASURES. DISCUSSION OF EACH INSECT INCLUDES DESCRIPTION, DAMAGE, AND REMARKS, AND IN MOST CASES, DRAWINGS OF THE INSECT. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN APPLIED ENTOMOLOGY. THE SUGGESTED TIME ALLOTMENT IS 2-6 HOURS. (WB)

VT 004 078 ED 018 647
SELECTING TREES FOR HOME PLANTING.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
PUB DATE - 67 40P.

DESCRIPTORS - HIGH SCHOOLS; *ORNAMENTAL HORTICULTURE; POST SECONDARY EDUCATION; REFERENCE MATERIALS; *TEXTBOOKS; *TREES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL OR ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN SELECTING TREES FOR HOME PLANTING. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHAT FACTORS SHOULD I CONSIDER WHEN BUYING TREES, (2) WHAT FACTORS SHOULD I CONSIDER BEFORE BUYING TREES, AND (3) WHAT TREES SHOULD I CONSIDER. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES, WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. THIS DOCUMENT IS AVAILABLE FOR 50 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (WB)

VT 004 103
VENABLE, MAC; HILL, CURWIN
LABORATORY EXERCISES AND LESSON PLANS FOR PRE-EMPLOYMENT LABORATORY TRAINING IN AGRICULTURAL MACHINERY SERVICE AND REPAIR.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($3.75).
PUB DATE - AUG67 322P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL MACHINERY; MAINTENANCE; REPAIR; *TEACHING GUIDES

ABSTRACT - DESIGNED FOR USE BY AREA AND OTHER HIGH SCHOOL STUDENTS AND TEACHERS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS LESSON PLANS AND LABORATORY EXERCISES NEEDED FOR PREEMPLOYMENT TRAINING IN AGRICULTURAL MACHINERY SERVICE AND REPAIR. IT WAS PREPARED BY A TEACHER DEVELOPMENT COMMITTEE AND A STATEWIDE ADVISORY COMMITTEE. UNIT TITLES ARE (1) INTRODUCTION, (2) INTERNAL COMBUSTION ENGINES, (3) LUBRICANTS AND LUBRICATING SYSTEMS, (4) FUEL SYSTEMS, (5) COOLING SYSTEMS, (6) ELECTRICAL SYSTEMS, (7) ENGINE TESTING AND TUNE UP, (8) HYDRAULICS, (9) PRIMARY SOIL TILLING EQUIPMENT, (10) PLANTING

EQUIPMENT, (11) CULTIVATION AND WEED CONTROL EQUIPMENT, (12) SPRAYERS AND DUSTERS, (13) FERTILIZERS, (14) HARVESTING EQUIPMENT, AND (15) SPECIAL EQUIPMENT. LESSON PLANS WITHIN EACH UNIT INCLUDE TOPIC, OBJECTIVE, INTRODUCTION, REFERENCES, SUGGESTED QUESTIONS, AND ANSWERS TO SUGGESTED QUESTIONS. LABORATORY EXERCISES INCLUDE JOB, REFERENCES, TOOLS AND MATERIALS NEEDED, AND PROCEDURES. THE ESTIMATED TIME ALLOTMENT IS 175 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE AND FARM MACHINERY MAY USE THIS MATERIAL WITH STUDENTS WHO ARE AT LEAST 16 YEARS OLD AND IN GRADE 11 OR 12, AND HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN FARM MACHINERY. REQUIRED AND SUPPLEMENTAL REFERENCES ARE LISTED. (WB)

VT 004 104
LABORATORY EXERCISES FOR PRE-EMPLOYMENT LABORATORY TRAINING IN GREENHOUSE OPERATION, VOCATIONAL AGRICULTURE RESOURCE UNIT.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY COLLEGE STATION, TEXAS 77843 ($.50).
PUB DATE - 67 50P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *LABORATORY MANUALS; *ORNAMENTAL HORTICULTURE OCCUPATION; HIGH SCHOOLS; *GREENHOUSES

ABSTRACT - DESIGNED FOR USE BY AGRICULTURE TEACHERS AND HIGH SCHOOL STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS A SERIES OF LABORATORY EXERCISES FOR PREEMPLOYMENT TRAINING IN GREENHOUSE OPERATION. IT WAS BASED UPON THE CONTENT OF A SPECIAL 3-WEEK INSTITUTE AND WAS PREPARED BY VOCATIONAL AGRICULTURE TEACHERS AND SUBJECT MATTER SPECIALISTS. TITLES OF THE EXERCISES ARE (1) SEXUAL PLANT PROPAGATION, (2) GREENHOUSE CONSTRUCTION, (3) ASEXUAL PLANT PROPAGATION, (4) HAND WATERING AND FEEDING, (5) PEST PROBLEMS WITH ORNAMENTAL PLANTS, (6) HORTICULTURE POTS, (7) LATH HOUSE, (8) GREENHOUSE BENCHES, (9) TRANSPLANTING SEEDLINGS FROM FLATS TO POTS, (10) MEDIA FOR PROPAGATING AND GROWING STOCK, (11) SOIL STERILIZATION, (12) BULBS FOR THE GREENHOUSE, (13) AUTOMATIC WATERINGS AND FEEDING OF PLANTS IN THE GREENHOUSE, (14) GROWING PLANTS UNDER ARTIFICIAL LIGHTS, (15) MARKETING, (16) MINIMUM FACILITIES REQUIRED FOR TEXAS VOCATIONAL HORTICULTURE PROGRAMS, AND (17) SUGGESTED GUIDELINES FOR PLANNING A VOCATIONAL TRAINING PROGRAM. LABORATORY EXERCISES INCLUDE OBJECTIVES, MATERIALS, TOOLS AND EQUIPMENT, GENERAL INFORMATION, ADDITIONAL INFORMATION, PROCEDURES, AND REFERENCES. THE SUGGESTED TIME ALLOTMENT IS 20 HOURS. (WB)

VT 004 105
IRICK, BILLY F.
HORTICULTURAL OCCUPATIONS, TEACHER'S COPY.

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY COLLEGE STATION, TEXAS 77843 ($4.50).
PUB DATE - 65 373P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *ORNAMENTAL HORTICULTURE; HIGH SCHOOLS; TESTS; *ANSWER KEYS; COOPERATIVE EDUCATION

ABSTRACT - TECHNICAL INFORMATION NEEDED IN ORNAMENTAL HORTICULTURE OCCUPATIONS IS PRESENTED FOR TEACHER USE IN PREPARING VOCATIONAL AGRICULTURE STUDENTS ENROLLED IN COOPERATIVE TRAINING PROGRAMS FOR EMPLOYMENT IN THE FIELD. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, VOCATIONAL AGRICULTURE TEACHERS, TEACHER EDUCATORS, AND MEMBERS OF THE TEXAS NURSERYMEN'S ASSOCIATION. THE UNIT TITLES ARE (1) INTRODUCTION TO HORTICULTURE, (2) PLANT GROWTH AND CLASSIFICATION, (3) CONSTRUCTING, MAINTAINING, AND USING STRUCTURES THAT AID PLANT GROWTH, (4) PLANT GROWING MEDIA, (5) PLANT PROPAGATION, (6) NURSERY PLANT PROTECTION, (7) FLORAL CROP PRODUCTION, (8) ESTABLISHING AND CARING FOR LAWNS, (9) CONTROLLING PLANT INSECTS, PLANT DISEASES, AND OTHER PESTS, (10) OPERATING AND MAINTAINING HORTICULTURAL EQUIPMENT, (11) DEVELOPING AND MAINTAINING THE LANDSCAPE, AND (12) MERCHANDISING HORTICULTURAL PLANTS AND SUPPLIES. THE SUGGESTED TIME ALLOTMENT IS 150 HOURS. ASSIGNMENT SHEETS CONTAIN OBJECTIVES, INTRODUCTION, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ANSWERS TO ASSIGNMENT QUESTIONS, TOPIC TESTS, AND TEST ANSWERS ARE INCLUDED. (WB)

VT 004 156
ROEDIGER, ROGER
LIVESTOCK BREEDING.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($2.00).
PUB DATE - 67 201P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; *LIVESTOCK; *BREEDING; HIGH SCHOOLS; YOUNG FARMER EDUCATION; BIBLIOGRAPHIES

ABSTRACT - THIS TEXT WAS DEVELOPED FOR STUDENT USE IN LIVESTOCK BREEDING UNITS IN HIGH SCHOOL AND YOUNG FARMER PRODUCTION AGRICULTURE CLASSES. IT WAS DEVELOPED BY A VOCATIONAL AGRICULTURE TEACHER UPON THE BASIS OF SUCCESSFUL TEACHING OF THE UNIT AND IN CONSULTATION WITH THREE EXTENSION LIVESTOCK SPECIALISTS WHO SUPPLIED TECHNICAL INFORMATION. THE EARLIER DRAFTS WERE TRIED BY OTHER TEACHERS WHO SUGGESTED REVISIONS. THE SUBJECT MATTER COVERS (1) LIVESTOCK IMPORTANCE, (2) CHROMOSOMES, (3) MALE AND FEMALE REPRODUCTION ROLES, (4) CONCEPTION, (5) GESTATION, (6) REBREEDING, (7) FERTILITY PROBLEMS, (8) SELECTION, (9) MATING SYSTEMS, AND (10) PERFORMANCE, PEDIGREE, AND PROGENY SELECTION. THE SUGGESTED TIME ALLOTMENT IS 45 HOURS. THE TEXTUAL MATERIAL IS SUPPLEMENTED WITH DRAWINGS, GRAPHS, TABLES, AND STUDENT EXERCISES. A BIBLIOGRAPHY OF BULLETINS, PAMPHLETS, CIRCULARS, AND BOOKS IS INCLUDED. (JM)

VT 004 281
SOIL COLOR.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-4029
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 (SINGLE COPIES $.10).
PUB DATE - MAY59 11P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; POST SECONDARY EDUCATION; *SOIL SCIENCE

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION ON SOIL COLOR. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) HOW DO SOIL COLORS DIFFER, AND (2) HOW CAN I DETERMINE THE COLOR OF SOIL. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. PHOTOGRAPHS AND SOIL COLOR CHARTS ARE INCLUDED. (WB)

VT 004 282
A GUIDE TO PARLIAMENTARY PRACTICES.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.30).
PUB DATE - 59 65P.

DESCRIPTORS - LEADERS GUIDES; *MANUALS; *VOCATIONAL AGRICULTURE; *PARLIAMENTARY LAW; HIGH SCHOOLS

ABSTRACT - THIS GUIDE FOR HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND FUTURE FARMERS OF AMERICA MEMBERS WAS WRITTEN BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. IT WAS ADAPTED FROM VARIOUS SOURCES AND WAS CHECKED FOR AGREEMENT WITH "ROBERTS' RULES OF ORDER, REVISED" WHICH IS RECOMMENDED AS A GENERAL REFERENCE AND REFERRED TO BY SPECIFIC PAGE NUMBERS BESIDE EACH STEP OF THE PROCEDURE. SECTIONS IN THE GUIDE INCLUDE (1) OBTAINING AND ASSIGNING THE FLOOR, (2) PRESENTING AND VOTING ON MOTIONS, AND (3) KINDS OF MOTIONS SUCH AS MAIN, SUBSIDIARY, INCIDENTAL, PROVILEGED, UNCLASSIFIED, AND ABSURD. A TABLE OF MOTIONS WITH OBJECT AND EFFECT OF EACH AND 101 TOPICS FOR DISCUSSION ARE INCLUDED. (JM)

VT 004 283
STANDARDS FOR MEASURES OF EFFICIENCY FOR 1966.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 (10 COPIES FOR $.60).
PUB DATE - DEC66 11P.

DESCRIPTORS - *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; PRODUCTIVITY; *STANDARDS

ABSTRACT - FARM PRODUCTION EFFICIENCY STANDARDS ARE PROVIDED IN THIS DOCUMENT TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN SUPERVISING STUDENT FARMING PROGRAMS. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH OTHER TEACHER EDUCATORS, SUBJECT MATTER SPECIALISTS, SUPERVISORS, AND TEACHERS. SPECIFIC MEASURES OF EFFICIENCY ARE PROVIDED FOR (1) BEEF BREEDING, DAIRY, AND FEEDER CATTLE, (2) POULTRY, SHEEP, AND SWINE, AND (3) CORN, SOYBEANS, OATS, AND WHEAT. A SCHEDULE OF LAND VALUES BY SOIL PRODUCTIVITY RATING AND PRELIMINARY REPORTS ON CORN, SOYBEAN, WHEAT, AND OAT YIELDS BY COUNTIES FOR 1966 ARE PROVIDED. INFORMATION IS PRESENTED IN LIST AND TABULAR FORM. THE MATERIAL CAN BE USED AS A TEXT OR REFERENCE FOR HIGH SCHOOL OR ADULT STUDENTS WITH AVERAGE ABILITY AND AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVES. (JM)

VT 004 284
SOIL STRUCTURE.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-4028
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 (SINGLE COPIES $.10).
PUB DATE - MAY58 11P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION ON SOIL STRUCTURE. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) HOW CAN I RECOGNIZE SOIL STRUCTURE, (2) WHAT HOLDS AGGREGATES TOGETHER, (3) WHY IS AGGREGATION DESIRABLE, (4) HOW DO FARMING PRACTICES AFFECT SOIL STRUCTURE, AND (5) HOW CAN I MAINTAIN AND IMPROVE SOIL STRUCTURE. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. PHOTOGRAPHS AND DRAWINGS ARE INCLUDED. (WB)

VT 004 285
THE SPARK PLUG, OPERATION, SELECTION, AND MAINTENANCE.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3026
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 (SINGLE COPIES $.25).
PUB DATE - SEP67 23P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *ENGINES; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE OPERATION, SELECTION, AND MAINTENANCE OF THE SPARK PLUG. IT WAS DEVELOPED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) SPARK PLUG CONSTRUCTION, (2) FACTORS AFFECTING SPARK PLUG OPERATION, (3) SPARK PLUG SELECTION, (4) USED SPARK PLUGS EXAMINATION, AND (5) SPARK PLUGS SERVICING. LINE DRAWINGS, PHOTOGRAPHS, AND TABULAR DATA ARE INCLUDED. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN ENGINES AND AGRICULTURAL ENGINEERING. THE SUGGESTED TIME ALLOTMENT IS 2-6 HOURS. (WB)

VT 004 286
THE IGNITION SYSTEM, TESTING AND ANALYZING TEST RESULTS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.25).
PUB DATE - 67 31P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *ENGINES; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS THE TECHNICAL INFORMATION ON THE IGNITION SYSTEM MECHANICS. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. SOME MAJOR SECTIONS ARE (1) IDENTIFYING THE COMPONENTS OF A BATTERY IGNITION SYSTEM, (2) SERVICING THE IGNITION COIL, (3) TESTING IGNITION COILS, CONDENSERS, CRANKING VOLTAGE, DISTRIBUTOR RESISTANCE, AND IGNITION TIMING, AND (4) MEASURING ENGINE SPEED. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. DRAWINGS ILLUSTRATE CONSTRUCTION AND TESTING PROCEDURES. (WB)

VT 004 287
AGRICULTURAL BUSINESS MANAGEMENT, PRINCIPLES THAT AFFECT PRODUCTION.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2040
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.30).
PUB DATE - SEP67 27P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; AGRICULTURAL PRODUCTION; *FARM MANAGEMENT; *BUSINESS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS INFORMATION NEEDED IN AGRICULTURAL BUSINESS MANAGEMENT. IT WAS DEVELOPED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) RESOURCES AND PROJECTS OF AGRICULTURAL BUSINESSES, (2) PRINCIPLES OF DIMINISHING RETURNS, EQUIMARGINAL RETURNS, AND OPPORTUNITY COSTS, (3) CONCEPTS OF FIXED AND VARIABLE COSTS, (4) RESOURCE SUBSTITUTION PRODUCTION SUBSTITUTION, AND (5) SPECIALIZATION OR DIVERSIFICATION IN PRODUCTION. DATA ARE PRESENTED IN BOTH TABULAR AND GRAPHIC FORM. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTERESTS, AND OCCUPATIONAL OBJECTIVES IN THE PRODUCTION PHASE OF AGRICULTURAL BUSINESS MANAGEMENT. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. THIS DOCUMENT IS AVAILABLE FOR 30 CENTS FROM VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801. (WB)

VT 004 288
THE SOIL FERTILITY PROGRAM, ECONOMIC CONSIDERATION, BUILD-UP, AND REMOVALS. (A UNIT IN THE SERIES ON FARM PLANNING).

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2010A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.20).
PUB DATE - MAY64 19P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FERTILIZERS; *SOIL SCIENCE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - THIS DOCUMENT IS FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL IN SOIL FERTILITY. IT WAS DEVELOPED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE IMPORTANT ECONOMIC CONSIDERATIONS, A FERTILITY BUILD-UP PROGRAM, COSTS OF PLANT-FOOD NUTRIENTS, AND THE FERTILITY BUILD-UP PROGRAM AND PLANT FOOD

REMOVAL FOR THE PROBLEM FARM. TABULAR DATA ARE GIVEN FOR COSTS AND YIELDS FOR FERTILIZER USE ON CORN, SOYBEANS, AND WHEAT, AND FOR FERTILIZER NEEDS AND COSTS FOR A FERTILITY BUILD-UP PROGRAM. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN SOIL FERTILITY AND AGRONOMY. THE SUGGESTED TIME ALLOTMENT IS 1-4 HOURS. (WB)

VT 004 289
THE SWINE ENTERPRISE.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-1029
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - MAY61 11P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *SWINE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS GENERAL INFORMATION NEEDED IN THE SWINE INDUSTRY. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHAT ARE SOME CHARACTERISTICS OF SWINE ENTERPRISE, (2) WHAT PART OF THE WORLD GROWS THE MOST HOGS, (3) WHAT PARTS OF THE UNITED STATES GROW THE MOST HOGS, (4) HOW CAN I ADAPT THE SWINE ENTERPRISE TO MY FARM, AND (5) WHAT RETURNS MAY I EXPECT FROM A HOG ENTERPRISE. SWINE PRODUCTION DATA ARE PRESENTED IN BOTH MAP AND TABULAR FORM. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN SWINE PRODUCTION. (WB)

VT 004 290
THE SHEEP ENTERPRISE.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-1031
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.05).
PUB DATE - MAY61 7P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *SHEEP; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS INFORMATION NEEDED IN THE SHEEP INDUSTRY. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR SECTIONS ARE (1) WHAT ARE SOME CHARACTERISTICS OF THE SHEEP ENTERPRISE, (2) WHAT PARTS OF THE WORLD GROW THE MOST SHEEP, (3) WHAT PARTS OF THE UNITED STATES GROW THE MOST SHEEP, AND (4) WHAT RETURNS CAN I EXPECT FROM SHEEP. THE SUGGESTED TIME ALLOTMENT IS 1 HOUR. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN SHEEP PRODUCTION DATA ARE PRESENTED IN BOTH MAP AND TABULAR FORM. (WB)

VT 004 472
APPROVED PRACTICES FOR THE CORN ENTERPRISE.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.05).
PUB DATE - MAR66 4P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *CORN (FIELD CROP); HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS A LIST OF APPROVED PRACTICES GENERALLY HELPFUL IN CORN PRODUCTION. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) GETTING STARTED WITH CORN, (2) KEEPING RECORDS, (3) TESTING THE SOIL AND APPLYING FERTILIZER, (4) SELECTING SEED, (5) PLANTING, (6) CULTIVATING, (7) CONTROLLING DISEASES, (8) CONTROLLING INSECTS, (9) HARVESTING AND STORING, (10) STUDYING RECORD RESULTS, AND (11) EVALUATING PRODUCTION PRACTICES. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN CROP PRODUCTION. (WB)

VT 004 473
APPROVED PRACTICES FOR ALFALFA.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.05).
PUB DATE - MAR66 4P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *ALFALFA; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS MANAGERIAL AND TECHNICAL INFORMATION NEEDED IN THE PRODUCTION OF ALFALFA. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1)

GETTING STARTED WITH ALFALFA, (2) KEEPING RECORDS, (3) TESTING THE SOIL AND APPLYING FERTILIZER, (4) SELECTING SEED, (5) PLANTING, (6) CONTROLLING DISEASES AND INSECTS, (7) HARVESTING, (8) STORING, (9) STUDYING RECORD RESULTS, AND (10) EVALUATING PRODUCTION PRACTICES. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES, WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN FARM PRODUCTION. (WB)

VT 004 474
SOIL TEXTURE.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-4030
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - MAY59 7P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *SOIL SCIENCE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN THE STUDY OF SOIL TEXTURE. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) WHAT ARE SOILS MADE OF, (2) HOW CAN I ESTIMATE SOIL TEXTURE, (3) HOW CAN I USE THE TEXTURE TRIANGLE, (4) WHAT ARE ORGANIC SOILS, AND (5) HOW CAN UNDERSTANDING SOIL TEXTURE HELP ME IN MANAGING SOILS. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. THE TEXTURE TRIANGLE, GRAPHS, DRAWINGS, AND PHOTOGRAPHS ARE INCLUDED. (WB)

VT 004 475
ELECTRICAL WIRING--PROCEDURES AND EXERCISES.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3016
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.40).
PUB DATE - OCT63 32P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *ELECTRICITY; *FARM STRUCTURES; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN ELECTRICAL WIRING OF FARM STRUCTURES. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) BRINGING ELECTRICAL SERVICE TO A BUILDING, (2) BRINGING ELECTRICAL SERVICE INTO A BUILDING, (3) INSTALLING INTERIOR WIRING, (4) WIRING VARIOUS ELECTRICAL DEVICES, AND (5) WIRING EXERCISES. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN RURAL ELECTRIFICATION. NUMEROUS DIAGRAMS ILLUSTRATE WIRING INSTRUCTIONS AND THE WIRING EXERCISES. (WB)

VT 004 476
ELECTRICAL WIRING, FUNDAMENTALS AND PLANNING.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-3003A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.30).
PUB DATE - OCT63 24P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *ELECTRICITY; HIGH SCHOOLS; POST SECONDARY EDUCATION; *FARM STRUCTURES

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN WIRING FARM BUILDINGS. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE SOME FUNDAMENTALS OF ELECTRICITY, CONSIDERING SAFETY AND ADEQUACY, SELECTING WIRING MATERIALS AND DEVICES, AND PLANNING THE FARM WIRING SYSTEM. THE SUGGESTED TIME ALLOTMENT IS 2-8 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. PHOTOGRAPHS, DRAWINGS, AND TABLES ARE INCLUDED. (WB)

VT 004 477
CHOOSING THE SPECIFIC CROPS TO GROW.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2006A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - MAY63 12P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *FIELD CROPS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS INFORMATION NEEDED IN SELECTING SPECIFIC CROPS FOR

FARMING OPERATIONS. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. THE MAJOR UNITS ARE: (1) HOW CROPS CAN BE CLASSIFIED, (2) WHAT CROPS ARE GROWN IN ILLINOIS, (3) HOW CAN I DETERMINE WHICH CROPS TO GROW, (4) WHAT CROP SEQUENCES CAN I USE, (5) HOW CAN CROPPING SYSTEMS BE ADJUSTED, AND (6) CROPS FOR THE PROBLEM FARM. THE SUGGESTED TIME ALLOTMENT IS 1-3 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABLES OF CROP INFORMATION, A GRAIN CROP YIELD MAP, AND A ROTATION CYCLE SHEET ARE INCLUDED. (WB)

VT 004 478
DEVELOPING THE LAND-USE PLAN AND FIELD LAYOUT.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-2005A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - MAY64 7P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *LAND USE; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN DEVELOPING LAND-USE PLANS AND FIELD LAYOUTS. IT WAS PREPARED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE CROPPING SYSTEM FITTED TO THE FIELD LAYOUT, EROSION CONTROL PRACTICES NEEDED ON THE PROBLEM FARM, AND THE CROP TRANSITION. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. A SOIL MAP, A TABLE OF SOIL RECOMMENDATIONS, AND DIAGRAMS OF FIELD ARRANGEMENTS ARE INCLUDED. (WB)

VT 004 479
CASTRATING, DOCKING, AND DEHORNING.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-1032
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - MAY62 7P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *LIVESTOCK; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN CASTRATING, DOCKING AND DEHORNING LIVESTOCK. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) CASTRATING HOGS, CATTLE, AND SHEEP, (2) DOCKING LAMBS, AND (3) DEHORNING CATTLE. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PERFORMING TECHNICAL LEVEL VETERINARY PRACTICES IN LIVESTOCK PRODUCTION ENTERPRISES. CASTRATION PROCEDURES AND DEHORNING AND CASTRATING EQUIPMENT ARE PRESENTED IN PICTURE FORM. (WB)

VT 004 480
CARING FOR THE SHEEP BREEDING FLOCK.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-1001A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - MAY63 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *SHEEP; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN CARING FOR THE SHEEP BREEDING FLOCK. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) HOW SHOULD I FEED AND CARE FOR EWES AND RAMS, (2) AT WHAT AGE SHOULD EWES BE BRED, (3) WHEN AND HOW SHOULD EWES BE BRED, AND (4) HOW SHOULD I FEED AND CARE FOR THE PREGNANT EWE. THE SUGGESTED TIME ALLOTMENT IS 1-2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AN INTEREST IN AGRICULTURE, AND OCCUPATIONAL OBJECTIVES IN RAISING BREEDING SHEEP. PLANS FOR SHEEP CORRALS AND SORTING CHUTES ARE PRESENTED IN DIAGRAM FORM. (WB)

VT 004 516
FARM BUSINESS MANAGEMENT , A SHORT COURSE IN MANAGEMENT TECHNOLOGY FOR FARM MANAGERS.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 LLP.

DESCRIPTORS - ADULT VOCATIONAL EDUCATION; *CURRICULUM GUIDES; *FARMERS; *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *FARM MANAGEMENT

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE IN MANAGEMENT TECHNOLOGY FOR

FARM MANAGERS. IT WAS DEVELOPED IN A CURRICULUM LABORATORY AND EVALUATED BY COMMUNITY COLLEGE INSTRUCTORS. THE COURSE OBJECTIVE IS TO AID FARM MANAGERS AND OTHERS IN EVALUATING, PREVENTING, AND RELIEVING AGRICULTURAL MANAGEMENT PROBLEMS. CONTENT OF THE DOCUMENT INCLUDES AN OVERVIEW OF FARM MANAGEMENT, FACTORS OF PRODUCTION, MANAGEMENT OF SEVEN DIFFERENT ENTERPRISES, AND GENERAL CONSIDERATIONS. COLLEGE GRADUATES IN AGRICULTURAL ECONOMICS MAY USE THIS 72-HOUR OUTLINE IN DEVELOPING A COURSE FOR ADULTS AS PART OF A CLUSTER IN AGRICULTURAL AND BIOLOGICAL EDUCATION. THE DOCUMENT CONTAINS A STUDENT SURVEY FORM AND A REFERENCE LIST. (DM)

VT 004 554
DAWSON, C.G.
NURSERY PRACTICES .

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 24P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; ADULT VOCATIONAL EDUCATION; *NURSERIES (HORTICULTURE); *AGRICULTURAL EDUCATION; NURSERY WORKERS (HORTICULTURE)

ABSTRACT - THIS DOCUMENT PROVIDES INFORMATION TO ASSIST TEACHERS IN TRAINING WORKERS FOR INITIAL EMPLOYMENT IN THE NURSERY INDUSTRY. IT WAS DESIGNED TO DEVELOP IN STUDENTS THE ABILITY TO UNDERSTAND THE NURSERY INDUSTRY AND TO PERFORM SELECTED NURSERY PRACTICES. A COURSE IS OUTLINED FOR COMMUNITY COLLEGE STUDENTS AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL AND BIOLOGICAL EDUCATION. IT WAS DEVELOPED BY AN AGRICULTURAL CONSULTANT AND EVALUATED BY COMMUNITY COLLEGE INSTRUCTORS. THIS 144-HOUR COURSE INCLUDES SECTIONS ON THE NURSERY INDUSTRY, PLANT PROPAGATION, NURSERY PLANT PRODUCTION PRINCIPLES AND PRACTICES, PLANT IDENTIFICATION, LANDSCAPING, SALES YARD PRACTICES, AND MANAGEMENT. THE TEACHER SHOULD BE AN AGRICULTURAL COLLEGE GRADUATE WITH COURSE WORK IN LANDSCAPE HORTICULTURE. SUPPLEMENTARY MATERIALS INCLUDE A REFERENCE LIST AND LABORATORY EXERCISES WITH SUGGESTED TIME ALLOTMENTS. (DM)

VT 004 558
BOYKIN, WILLIAM C., SR., ED.
STUDENT TEACHING IN VOCATIONAL AGRICULTURE.

ALCORN A AND M COLL., LORMAN, MISS. DIV. OF VOCATIONAL EDUCATION
PUB DATE - AUG65 38P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; COOPERATING TEACHERS; PRESERVICE EDUCATION

ABSTRACT - DEVELOPED TO ASSIST STUDENT TEACHERS DURING THEIR FIELD EXPERIENCE, THIS MANUAL CONTAINS: (1) AN INTRODUCTION TO STUDENT TEACHING, (2) THE MISSISSIPPI PLAN FOR STUDENT TEACHING, (3) SUGGESTIONS TO STUDENT TEACHERS, (4) SUGGESTIONS TO SUPERVISING TEACHERS, (5) PARTICIPATING EXPERIENCES, AND (6) SUGGESTIONS FOR EVALUATING AND REPORTING. FORMS ARE INCLUDED FOR RATING STUDENT TEACHERS AND SURVEYING A LOCAL DEPARTMENT OF AGRICULTURE. THE DOCUMENT IS MIMEOGRAPHED. (DM)

VT 004 603
HOWELL, EZRA L.
SMALL GASOLINE ENGINES , A SHORT COURSE INSTRUCTIONAL GUIDE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. VOCATIONAL TECHNICAL DIV.
PUB DATE - FEB63 44P.

DESCRIPTORS - *TEACHING GUIDES; *ADULT VOCATIONAL EDUCATION; *CURRICULUM GUIDES; AGRICULTURAL EDUCATION; *FARM MECHANICS (OCCUPATION); *ENGINES; AGRICULTURAL ENGINEERING

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR ADULTS IN SMALL GASOLINE ENGINE MECHANICS. IT WAS DEVELOPED BY A PROFESSOR OF AGRICULTURAL ENGINEERING AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES. THE COURSE OBJECTIVE IS TO TEACH THE "WHY AND HOW" OF GASOLINE ENGINE OPERATIONS. MAJOR TOPICS ARE (1) TERMINOLOGY AND NOMENCLATURE, (2) INTERNAL COMBUSTION ENGINE FUNDAMENTALS, (3) SMALL ENGINE SERVICE MANUAL, (4) CARBURETION IN CARBURETORS, (5) IGNITION SYSTEMS, (6) GOVERNORS AND COOLING SYSTEMS, (7) ENGINE TEAR DOWN, INSPECTION AND REPAIR, (8) ENGINE OVERHAUL, (9) STARTERS, GENERATORS, AND CRANKING UNITS, (10) TROUBLE SHOOTING, AND (11) DEALER SERVICE OPERATIONS. THIS 40-HOUR COURSE SHOULD BE TAUGHT BY A SMALL GASOLINE ENGINE MECHANIC. A SMALL ENGINES DIRECTORY AND REFERENCE LIST ARE INCLUDED AS SUPPLEMENTARY MATERIALS. (DM)

VT 004 686
CONTROLS FOR AUTOMATION IN AGRICULTURE; STUDENT HANDBOOK . TEACHER EDUCATION SERIES VOL. 8, NO. 2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA FARM ELECTRIFICATION COUNCIL
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.25).
PUB DATE - 67 35P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *FARM MECHANICS (OCCUPATION); *AUTOMATION; AGRICULTURAL PRODUCTION; ORNAMENTAL HORTICULTURE OCCUPATION; GRADE 12; HIGH SCHOOLS; UNITS OF STUDY (SUBJECT FIELDS); ELECTRONIC CONTROLS

ABSTRACT - THIS STUDY REFERENCE IS FOR HIGH SCHOOL SENIORS IN AGRICULTURAL MECHANICS ENROLLED IN COMPREHENSIVE HIGH SCHOOLS OR AREA VOCATIONAL SCHOOLS. IT WAS DEVELOPED BY A GRADUATE STUDENT IN AGRICULTURAL EDUCATION AND TESTED AS PART OF A DOCTORAL STUDY. THE

CONTENT CONTAINS AREAS OF: (1) AUTOMATION, MECHANIZATION, AND AGRICULTURE, (2) HEAT AND LIGHT SENSITIVE CONTROLS, (3) PRESSURE SENSITIVE CONTROLS, (4) ELECTRIC CONTROLS, (5) MAGNETIC CONTROLS, (6) MECHANICAL CONTROLS, (7) SPECIAL FACTORS FOR SELECTION OF AUTOMATIC CONTROLS, AND (8) MAINTENANCE OF AUTOMATIC CONTROLS. THE TEXT CONTAINS SUMMARY TABLES, ILLUSTRATIONS, AND DEFINITIONS OF TERMS AND ABBREVIATIONS. AGRICULTURAL TEACHERS AND STUDENTS MAY USE THIS MATERIAL IN PROGRAMS OF AGRICULTURAL PRODUCTION, HORTICULTURE, OR AGRICULTURAL MECHANICS. AN ASSORTMENT OF AUTOMATIC CONTROLS SHOULD BE USED FOR SUPPLEMENTAL MEDIA. THE TEACHING GUIDE AND LABORATORY MANUAL TO THIS PUBLICATION ARE AVAILABLE AS VT 004 687 AND VT 004 688. (DM)

VT 004 687
CONTROLS FOR AUTOMATION IN AGRICULTURE; TEACHER'S UNIT PLAN . TEACHER EDUCATION SERIES, VOL. 8, NO. 2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA FARM ELECTRIFICATION COUNCIL
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.25).
PUB DATE - 67 77P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *FARM MECHANICS (OCCUPATION); UNITS OF STUDY (SUBJECT FIELDS); *AUTOMATION; AGRICULTURAL PRODUCTION; ORNAMENTAL HORTICULTURE OCCUPATION; GRADE 12; HIGH SCHOOLS; ELECTRONIC CONTROLS

ABSTRACT - THIS TEACHING GUIDE IS FOR USE IN PLANNING AN AGRICULTURAL MECHANICS COURSE FOR HIGH SCHOOL SENIORS IN COMPREHENSIVE HIGH SCHOOLS OR AREA VOCATIONAL SCHOOLS. IT WAS DEVELOPED BY A GRADUATE STUDENTS IN AGRICULTURAL EDUCATION AS PART OF DOCTORAL STUDY. THE CONTENT INCLUDES: (1) LIST OF PROBLEM AREAS, (2) SUGGESTED EQUIPMENT AND SOURCES, (3) PROBLEM AREAS, (4) COMPLETED DIAGRAMS FOR EXERCISES IN STUDENT LABORATORY MANUAL, (5) EXAMS, (6) ANSWER SHEETS, (7) REFERENCE LIST, AND (8) TRANSPARENCY MASTER SHEETS. AN ASSORTMENT OF AUTOMATIC CONTROLS SHOULD BE USED IN TEACHING THIS COURSE FOR STUDENTS ENROLLED IN AGRICULTURAL PRODUCTION, HORTICULTURE, OR AGRICULTURAL MECHANICS. TEACHERS SHOULD BE CERTIFIED IN AGRICULTURE. THE STUDENT HANDBOOK AND STUDENT LABORATORY MANUAL ARE AVAILABLE AS VT 004 686 AND VT 004 688. (DM)

VT 004 688
CONTROLS FOR AUTOMATION IN AGRICULTURE; STUDENT LABORATORY MANUAL . TEACHER EDUCATION SERIES VOL. 8, NO. 2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA FARM ELECTRIFICATION COUNCIL
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY,NUNIVERSITY PARK, PENNSYLVANIA 16802 ($.50).
PUB DATE - 67 35P.

DESCRIPTORS - *LABORATORY MANUALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *FARM MECHANICS (OCCUPATION); UNITS OF STUDY (SUBJECT FIELDS); *AUTOMATION; REFERENCE MATERIALS; LABORATORY PROCEDURES; LABORATORY TECHNIQUES; AGRICULTURAL PRODUCTION; ORNAMENTAL HORTICULTURE OCCUPATION; ELECTRONIC CONTROLS; GRADE 12; HIGH SCHOOLS

ABSTRACT - THIS STUDENT LABORATORY MANUAL CONTAINS EXERCISES FOR HIGH SCHOOL SENIORS IN AGRICULTURAL PRODUCTION, HORTICULTURE, OR AGRICULTURAL MECHANICS, WHO ARE ENROLLED IN AREA VOCATIONAL SCHOOLS OR COMPREHENSIVE HIGH SCHOOLS. IT WAS DEVELOPED BY A GRADUATE STUDENT IN AGRICULTURAL EDUCATION AND TESTED IN A DOCTORAL STUDY. THE CONTENT CONTAINS 21 EXERCISES IN: (1) HEAT AND LIGHT SENSITIVE CONTROLS, (2) PRESSURE SENSITIVE CONTROLS, (3) ELECTRICAL CONTROLS, (4) MAGNETIC CONTROLS, AND (5) MECHANICAL CONTROLS. EACH EXERCISE INCLUDES THE PURPOSE, EQUIPMENT NEEDED, AND PROCEDURE TO FOLLOW. AGRICULTURAL TEACHERS SHOULD USE AN ASSORTMENT OF AUTOMATIC CONTROLS AS SUPPLEMENTAL MEDIA. THE TEXT IS ILLUSTRATED WITH LINE DRAWINGS. THE STUDENT HANDBOOK AND TEACHING GUIDE ARE AVAILABLE AS VT 004 686 AND VT 004 687. (DM)

VT 004 768 ED 023 815
AGRICULTURAL TECHNOLOGY OPPORTUNITIES .

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. AGRICULTURAL TECHNOLOGY EDUCATION
PUB DATE - OCT63 19P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *AGRICULTURAL TECHNICIANS; *TECHNICAL EDUCATION; HIGH SCHOOLS; *CURRICULUM; ADULT VOCATIONAL EDUCATION; *OFF FARM AGRICULTURAL OCCUPATIONS; OCCUPTIONALNINFORMATION; OCCUPATIONAL GUIDANCE; PROGRAM DESCRIPTIONS; EDUCATIONAL OPPORTUNITIES; ARTICULATION (PROGRAM); COURSE DESCRIPTIONS; POST SECONDARY EDUCATION
IDENTIFIERS - NORTH CAROLINA

ABSTRACT - AGRICULTURAL EDUCATION PROGRAMS AVAILABLE THROUGH NORTH CAROLINA'S NEWLY CREATED SYSTEM OF INDUSTRIAL EDUCATION CENTER, TECHNICAL INSTITUTES, AND COMMUNITY COLLEGES ARE DESCRIBED. THE INFORMATION IS FOR USE BY ADMINISTRATORS, AND TEACHERS OF ADULT AGRICULTURAL COURSES AND COUNSELORS OF HIGH SCHOOL DROPOUTS AND GRADUATES. IT DESCRIBES THE NEED FOR AND ORGANIZATION OF CAREER PROGRAMS, SHORT COURSES, AND UPGRADING COURSES AND THE RELATIONSHIP OF HIGH SCHOOL VOCATIONAL AGRICULTURE TO POST-SECONDARY AGRICULTURAL TECHNOLOGY INSTITUTIONS. MAJOR TOPICS ARE (1) THE IMPORTANCE OF TRAINING FOR AGRICULTURAL OCCUPATIONS, (2) AGRICULTURAL TECHNOLOGY EDUCATION, (3) SPECIFIC OCCUPATIONAL SHORT COURSES FOR TRAINING TECHNICAL SPECIALISTS, WHICH DESCRIBES CUSTOMS PRAYING, NURSERY PRACTICES, AND TOBACCO GRADING AND MARKETING, (4) UPGRADING COURSES FOR WORKERS IN NON-FARMING AGRICULTURAL OCCUPATIONS, WHICH INCLUDES

PESTICIDES, POULTRY FEEDING AND MANAGEMENT, SWINE FEEDING AND MANAGEMENT, ADVANCED DAIRY TECHNOLOGY, FERTILIZERS AND LIME, LIQUID FERTILIZER APPLICATION, GRAIN MARKETING PRACTICES, FARM ENGINE ELECTRICAL SYSTEMS, FARM TRACTOR HYDRAULIC SYSTEMS, OIL BURNER MAINTENANCE, AND FEED MILL MANAGEMENT, OPERATION, AND MAINTENANCE, AND (5) THE INTERRELATIONSHIP OF VOCATIONAL AGRICULTURE AND AGRICULTURAL TECHNOLOGY EDUCATION. (WB)

VT 004 826
DAWSON, C.G.
POULTRY FEEDING AND MANAGEMENT , A SHORT COURSE IN POULTRY TECHNOLOGY.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 10P.

DESCRIPTORS - *TEACHING GUIDES; *POULTRY; ADULT VOCATIONAL EDUCATION; *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; NUTRITION; FARM MANAGEMENT; *AGRICULTURAL PRODUCTION

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR ADULTS IN POULTRY FEEDING AND MANAGEMENT. IT WAS DEVELOPED BY A SPECIALIST IN POULTRY SCIENCE AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES. CONTENT OBJECTIVES ARE TO DEVELOP (1) AN UNDERSTANDING OF THE IMPORTANCE OF PROPER NUTRITION, (2) AN UNDERSTANDING OF THE COMPONENTS IN A POULTRY DIET, (3) THE ABILITY TO PROPERLY SELECT POULTRY FEEDS, AND (4) AN UNDERSTANDING OF MANAGEMENT PRACTICES RELATED TO FEEDING. UNITS ARE (1) POULTRY NUTRITION, (2) RATION COMPOSITION AND FORMULATION, (3) POULTRY FEEDS, (4) FEEDING SYSTEMS AND PRACTICES, (5) HEALTH FEEDING, (6) FEEDING AND MANAGEMENT OF YOUNG CHICKENS, (7) FEEDING AND MANAGEMENT FOR EGG PRODUCTION, (8) FEEDING AND MANAGEMENT OF BREEDERS, AND (9) FATTENING OR FINISHING OF POULTRY. THIS 30-HOUR COURSE SHOULD BE TAUGHT BY AN AGRICULTURAL COLLEGE GRADUATE IN POULTRY SCIENCE AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL AND BIOLOGICAL EDUCATION. THE RECOMMENDED TEXT AND REFERENCES FOR THE COURSE ARE LISTED. (DM)

VT 004 827
CASH, JAMES A., JR.
TOBACCO GRADING AND MARKETING .

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY65 18P.

DESCRIPTORS - *TEACHING GUIDES; *MARKETING; *TOBACCO; ADULT VOCATIONAL EDUCATION; *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR PART-TIME FARMERS, HIGH SCHOOL GRADUATES, AND SEASONAL TOBACCO WORKERS IN TOBACCO GRADING AND MARKETING. IT WAS DEVELOPED BY A TOBACCO MARKETING SPECIALIST AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES. THE COURSE AIM IS TO DEVELOP SKILLS AND ABILITIES FOR A STUDENT TO OBTAIN IMMEDIATE JOB ACCEPTANCE IN THE TOBACCO INDUSTRY. SECTIONS COVERED ARE (1) HISTORY, BACKGROUND, AND STANDARD GRADES OF TOBACCO, (2) PREPARATION MARKETING, AND WAREHOUSING, (3) BUYING, PROCESSING, AND STORING, AND (4) PRACTICAL EXERCISES IN CLASSROOM AND FIELD. THIS 72-HOUR COURSE MAY BE TAUGHT BY A FLUE-CURED TOBACCO MARKETING SPECIALIST AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL AND BIOLOGICAL EDUCATION. IN ADDITION TO THE COURSE OUTLINE, RECOMMENDED TEACHING PROCEDURE AND REFERENCES ARE INCLUDED. (DM)

VT 004 843 ED 017 724
KNOEBEL, ROBERT M. , AND OTHERS
FOOD PROCESSING TECHNOLOGY, A SUGGESTED 2-YEAR POST HIGH SCHOOL CURRICULUM.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-82016
PUB DATE - 67

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL TECHNICIANS; CURRICULUM; *CURRICULUM GUIDES; *FOOD PROCESSING OCCUPATIONS; POST SECONDARY EDUCATION; PROGRAM DEVELOPMENT; TECHNICAL EDUCATION

ABSTRACT - ADMINISTRATORS, ADVISORY COMMITTEES, SUPERVISORS, AND TEACHERS MAY USE THIS GUIDE IN PLANNING AND DEVELOPING NEW PROGRAMS OR EVALUATING EXISTING PROGRAMS IN POST-HIGH SCHOOL FOOD PROCESSING TECHNOLOGY. BASIC MATERIALS WERE PREPARED BY THE STATE UNIVERSITY OF NEW YORK AGRICULTURAL AND TECHNICAL COLLEGE AT MORRISVILLE AND FINAL PREPARATION WAS ACCOMPLISHED BY PERSONNEL IN THE U.S. OFFICE OF EDUCATION IN CONSULTATION WITH FOOD PROCESSING INDUSTRY AND EDUCATION PERSONNEL. THE GUIDE CONTAINS SUGGESTED COURSE OUTLINES WITH EXAMPLES OF TEXTS AND REFERENCES, A SEQUENCE OF TECHNICAL EDUCATION PROCEDURES, LABORATORY LAYOUTS WITH EQUIPMENT AND COST, DISCUSSION OF THE LIBRARY AND ITS USE, DESCRIPTIONS OF FACULTY AND STUDENT SERVICES, AND A SELECTED LIST OF SCIENTIFIC TRADE AND TECHNICAL SOCIETIES. COURSE OUTLINES ARE INCLUDED FOR TECHNICAL, MATHEMATICS, SCIENCE, AND GENERAL COURSES. A RATING SHEET FOR STUDENTS WORKING IN FOOD INDUSTRIES AND SUGGESTED CURRENT PERIODICALS ARE INCLUDED. THIS DOCUMENT IS AVAILABLE AS FS5.282--82016 FOR 50 CENTS FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402. (JM)

VT 004 852
MICROMETERS AND RELATED MEASURING TOOLS .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-3023
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($0.10).
PUB DATE - MAY67 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; HIGH SCHOOLS; ADULT FARMER EDUCATION; *MEASUREMENT INSTRUMENTS

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL, THIS DOCUMENT PRESENTS TECHNICAL INFORMATION NEEDED IN USING MICROMETERS AND OTHER RELATED MEASURING TOOLS. IT WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) WHAT ARE THE DIFFERENT TYPES OF MICROMETERS, (2) HOW DO I READ A MICROMETER CORRECTLY, (3) HOW SHOULD I USE MICROMETERS, (4) WHAT ARE SOME RELATED MEASURING TOOLS, AND (5) HOW SHOULD I CARE FOR A MICROMETER. THE SUGGESTED TIME ALLOTMENT IS 1 TO 2 HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN MECHANICAL AREAS INVOLVING THE USE OF MICROMETERS AND OTHER RELATED MEASURING TOOLS. PHOTOGRAPHS AND DRAWINGS ILLUSTRATE THE TEXT. (WB)

VT 004 920
PADILLA, NAPOLEON S.
BEEF PRODUCTION , A SHORT COURSE IN BEEF CATTLE PRODUCTION FOR MANAGERS AND FIELD SERVICEMEN.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - NOV64 14P.

DESCRIPTORS - ADULT VOCATIONAL EDUCATION; ANIMAL SCIENCE; *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *TEACHING GUIDES; *CATTLE; *AGRICULTURAL PRODUCTION

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR MANAGERS AND FIELD SERVICEMEN IN BEEF CATTLE PRODUCTION. IT WAS DEVELOPED BY A CURRICULUM SPECIALIST AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES. THE COURSE OBJECTIVE IS THE UNDERSTANDING AND PRACTICAL APPLICATION OF BEEF CATTLE FUNDAMENTALS AND OF THE LATEST SCIENTIFIC DEVELOPMENTS IN THE BEEF INDUSTRY. EMPHASIS IS PLACED ON SELECTION, BREEDING, FEEDING, AND MANAGEMENT. TEACHERS WHO ARE AGRICULTURAL COLLEGE GRADUATES IN ANIMAL SCIENCE MAY USE THIS 30-HOUR COURSE AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL AND BIOLOGICAL EDUCATION. SUPPLEMENTARY MATERIALS INCLUDE A STUDENT SURVEY FORM AND A REFERENCE LIST. (DM)

VT 005 006
PADILLA, NAPOLEON S.
PESTICIDE APPLICATION. COURSE OUTLINE .

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - JUN64 15P.

DESCRIPTORS - *PESTICIDES; ADULT VOCATIONAL EDUCATION; *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *AGRICULTURAL CHEMICAL OCCUPATIONS

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES, THIS OUTLINE IS FOR TEACHER USE IN PLANNING A COURSE FOR ADULTS IN COMMUNITY COLLEGES AND TECHNICAL INSTITUTES. THE CONTENT OBJECTIVES ARE (1) TO PROVIDE THE STUDENT WITH A GENERAL REVIEW OF THE DEVELOPMENT OF PEST CONTROL, (2) TO INSTRUCT THE STUDENT WITH PRACTICAL KNOWLEDGE OF CONSTRUCTION AND OPERATION OF PESTICIDE EQUIPMENT, AND (3) TO DEVELOP STUDENT ABILITY TO SELECT PROPER EQUIPMENT FOR A SPECIFIC JOB. MAJOR OUTLINE HEADINGS ARE (1) DEVELOPMENT OF PEST CONTROL, (2) INSECTICIDES, (3) FUNGICIDES, (4) SPRAY INGREDIENTS, (5) COMPATIBILITY OF SPRAYING AND DUSTING MATERIALS, (6) SPRAYING AND DUSTING MACHINES, (7) CONSTRUCTION AND OPERATION OF SPRAYING AND DUSTING EQUIPMENT, (8) FUMIGATION, (9) SOIL TREATMENT, (10) GROWTH REGULATORS, (11) HERBICIDE APPLICATION, (12) SEED TREATMENT, (13) POISON BAITS, (14) PESTICIDES APPLICATION TO STORED GRAIN AND GRAIN PRODUCTS, (15) REGULATION OF PESTICIDE APPLICATION IN NORTH CAROLINA, (16) PRECAUTIONS IN HANDLING PESTICIDES, AND (17) TREATMENT IN CASE OF ACCIDENTAL POISONING. TWO HOURS OF CLASS AND 2 HOURS OF LABORATORY PER WEEK FOR A SCHOOL QUARTER ARE RECOMMENDED. THE TEACHER SHOULD BE AN AGRICULTURAL COLLEGE GRADUATE WITH COURSE WORK IN PESTICIDES. SUPPLEMENTARY MATERIALS INCLUDE A LIST OF TEXTS, REFERENCES, AND LABORATORY TOPICS. (DM)

VT 005 018
BEEMAN, CARL E.
A REFERENCE UNIT ON CORN .

MISSISSIPPI STATE UNIV., STATE COLLEGE. SUBJECT MATTER SERVICE
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON.--VOCATIONAL AGRICULTURE DIV.
PUB DATE - APR66 148P.

DESCRIPTORS - *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *CORN (FIELD CROP); *TEXTBOOKS; *AGRONOMY; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; ADULT FARMER EDUCATION

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHER EDUCATORS THROUGH A COMPILATION OF RESEARCH AND OTHER PERTINENT PUBLICATIONS, THIS STUDENT REFERENCE IS FOR HIGH SCHOOL AND ADULT EDUCATION IN THE SOUTHEAST UNITED STATES. THE CONTENT INCLUDES: (1) ECONOMIC VALUE OF CORN, (2) PRODUCTION PLANNING, (3) HYBRID SELECTION, (4) LAND SELECTION AND PREPARATION, (5) PLANTING, (6) FERTILIZING, (7) CULTIVATING, (8) IRRIGATING, (9) CONTROLLING WEEDS, (10) DISEASE CONTROLLING, (11) CONTROLLING INSECTS, (12) HARVESTING, (13) DRYING AND STORING, (14) MARKETING, AND (15) CHECKING YIELD AND MEASURING PROFITS. THE TEACHER FOR THIS UNIT SHOULD BE A GRADUATE OF A TEACHER EDUCATION CURRICULUM IN AGRICULTURAL EDUCATION AND STUDENTS SHOULD DESIRE DEVELOPMENT AND IMPROVEMENT OF AGRICULTURAL KNOWLEDGES AND SKILLS. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS AND TABLES AND CONTAINS A REFERENCE LIST. (DM)

VT 005 019 ED 021 063
JENKINS, MELVIN E.; ALLISON, RICHARD C.

FOREST TECHNOLOGY, A SUGGESTED TWO-YEAR POST HIGH SCHOOL CURRICULUM .

NEW HAMPSHIRE UNIV., DURHAM. THOMPSON SCHOOL OF APPLIED SCIENCE
PUB DATE - SEP66 511P.

DESCRIPTORS - *FORESTRY; *AGRICULTURAL TECHNICIANS; TECHNICAL EDUCATION; LIBRARY FACILITIES; *AGRICULTURAL EDUCATION;N*CURRICULUM GUIDES; EMPLOYMENT QUALIFICATIONS; OCCUPATIONAL INFORMATION; OCCUPATIONAL GUIDANCE; PHYSICAL FACILITIES; ADVISORY COMMITTEES; BIBLIOGRAPHIES; PROGRAM DEVELOPMENT; CURRICULUM; PROGRAM GUIDES; EQUIPMENT; POST SECONDARY EDUCATION

ABSTRACT - ADMINISTRATORS, SUPERVISORS, TEACHERS, AND ADVISORY COMMITTEES MAY USE THIS GUIDE IN PLANNING AND DEVELOPING FULL-TIME, 2-YEAR, POST-HIGH SCHOOL EDUCATIONAL PROGRAMS TO PREPARE FOREST TECHNICIANS. IT WAS DEVELOPED BY EDUCATORS, PROFESSIONAL FORESTERS, EMPLOYERS, AND U.S. OFFICE OF EDUCATION PERSONNEL. PROGRAM CONSIDERATIONS DISCUSSED INCLUDE (1) OCCUPATIONAL INFORMATION REGARDING TECHNICIANS, ABILITIES REQUIRED, AND ACTIVITIES PERFORMED, (2) FACULTY, (3) STUDENT SERVICES, (4) RESOURCES, (5) FACILITIES, (6) ADVISORY COMMITTEES, AND (7) CONTINUING EDUCATION. A GENERAL DISCUSSION OF THE CURRICULUM COVERS A DESCRIPTION OF THE COURSES, THEIR CONTENT, AND THEIR RELATIONSHIP TO OCCUPATIONAL AND ORGANIZATIONAL REQUIREMENTS. THE HOURS REQUIRED, COURSE DESCRIPTIONS, COURSE OUTLINES, AND BIBLIOGRAPHIES ARE PROVIDED FOR (1) 13 TECHNICAL COURSES SUCH AS ELEMENTARY FORESTRY SURVEYING, DENDROLOGY, FOREST ORIENTATION SEMINAR, AND ELEMENTARY FOREST MEASUREMENTS, (2) ONE MATHEMATICS AND SCIENCE COURSE, (3) SIX AUXILIARY OR SUPPORTING TECHNICAL COURSES SUCH AS BOTANY AND TECHNICAL REPORTING, AND (4) FOUR GENERAL COURSES SUCH AS COMMUNICATIONS SKILLS AND ELEMENTARY BUSINESS MANAGEMENT. DETAILED INFORMATION IS GIVEN ON LIBRARY FACILITIES AND CONTENT, LABORATORY AND PHYSICAL FACILITIES, AND EQUIPPING LABORATORIES AND THEIR COSTS. THE APPENDIX INCLUDES A LIST OF SOCIETIES PERTINENT TO FOREST TECHNICIAN EDUCATION AND A PROCEDURE FOR LABORATORY REPORT WRITING. AN EXTENSIVE BIBLIOGRAPHY IS INCLUDED. (JM)

VT 005 176
MORRISON, N.A.
GRAIN MARKETING AND HANDLING , A SHORT COURSE IN GRAIN MARKETING FOR GRAIN BUYERS, HANDLERS, AND PROCESSORS.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 LOP.

DESCRIPTORS - *TEACHING GUIDES; *MARKETING; *GRAIN; ADULT VOCATIONAL EDUCATION; *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; FEED INDUSTRY

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR ADULTS IN GRAIN MARKETING. IT WAS DEVELOPED BY A GRAIN MARKETING SPECIALIST AND EVALUATED BY COMMUNITY COLLEGE INSTRUCTORS. THE COURSE OBJECTIVES ARE TO IMPROVE EFFICIENCY IN HANDLING, STORING, DRYING, AND MERCHANDISING GRAIN. THE SUGGESTED COURSE OUTLINE INCLUDES ORIENTATION TO THE GRAIN INDUSTRY, GRAIN HARVESTING PRACTICES, COMMERCIAL GRAIN HANDLING AND STORAGE EQUIPMENT, COMMERCIAL STORAGE PRACTICES, GRAIN LOAN AND STORAGE PROGRAMS, MARKETING GRAIN ON GRADE AND QUALITY STANDARDS, TRANSPORTATION IN THE GRAIN INDUSTRY, AND MARKETING AND MERCHANDISING. THE TEACHER SHOULD BE AN AGRICULTURAL COLLEGE GRADUATE WITH COURSE WORK IN THE FIELD CROPS AND THE STUDENTS EITHER GRAIN BUYERS, WAREHOUSE MEN, ELEVATOR OPERATORS OR GRAIN PROCESSORS. SUPPLEMENTARY MATERIALS INCLUDE A STATEMENT OF CURRENT PROBLEMS AND NEEDS FACING THE GRAIN AND FEED INDUSTRY IN NORTH CAROLINA AND A LIST OF REFERENCE MATERIALS. THIS COURSE MAY BE TAUGHT AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL AND BIOLOGICAL EDUCATION. (DM)

VT 005 201
PRODUCING PLANTS BY ASEXUAL PROPAGATION .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-5006
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($0.25).
PUB DATE - FEB68 19P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; REFERENCE MATERIALS; *TEXTBOOKS; *PLANT PROPAGATION; *ORNAMENTAL HORTICULTURE; HIGH SCHOOLS; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS RESOURCE UNIT ON THE ASEXUAL PROPAGATION OF PLANTS FOR HIGH SCHOOL AND ADULT VOCATIONAL AGRICULTURE CLASSES WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, OTHER TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. THE TEXTUAL OR REFERENCE MATERIAL TREATS THE QUESTIONS: (1) HOW CAN I PROPAGATE NEW PLANTS, (2) WHAT MATERIAL SHOULD I USE AS ROOTING MEDIA, (3) HOW SHOULD I PLACE THE CUTTINGS IN THE MEDIA, AND (4) HOW DO I GRAFT PLANTS. THE APPENDIX INCLUDES SPECIFIC PLANS FOR DEMONSTRATING PROPAGATION BY STEM CUTTINGS, LEAF CUTTINGS (AFRICAN VIOLETS), LEAF-BUD CUTTINGS (GERANIUMS), BULB MULTIPLICATION (TUNICATED), AND AIR LAYERING. THE RECOMMENDED TIME ALLOTMENT IS 2 TO 6 HOURS. THE MATERIAL IS SUITABLE FOR USE BY TEACHERS WITH GENERAL AGRICULTURAL COMPETENCY WITH STUDENTS OF AVERAGE ABILITY. LINE DRAWINGS AND PHOTOGRAPHS ILLUSTRATE THE PROCEDURES. (JM)

VT 005 202
MINIMUM TILLAGE .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4041
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($0.10).

PUB DATE - MAY6L 9P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; REFERENCE MATERIALS; *TEXTBOOKS; *FIELD CROPS; SOIL SCIENCE; HIGH SCHOOLS; UNITS OF STUDY (SUBJECT FIELDS); POST SECONDARY EDUCATION

ABSTRACT - THIS RESOURCE MATERIAL ON MINIMUM TILLAGE PRACTICES IS FOR USE AS A TEXT OR REFERENCE BY HIGH SCHOOL AND ADULT STUDENTS. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, OTHER TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. THE MATERIAL ANSWERS THE QUESTIONS: (1) WHAT ARE SOME ADVANTAGES AND DISADVANTAGES OF MINIMUM TILLAGE, (2) WHAT METHODS OF MINIMUM TILLAGE MAY I USE, AND (3) HOW CAN I GET STARTED WITH MINIMUM TILLAGE ON MY FARM. INCLUDED ARE TABLES, DRAWINGS, AND PHOTOGRAPHS. TEACHERS WITH GENERAL AGRICULTURAL COMPETENCY MAY USE THE MATERIAL WITH STUDENTS OF AVERAGE ABILITY. THE SUGGESTED TIME ALLOTMENT IS 1 TO 2 HOURS. (JM)

VT 005 203
HUNGER SIGNS IN CROPS .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-4011A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($1.15).
PUB DATE - FEB68 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; FERTILIZERS; *FIELD CROPS; *PLANT NUTRITION; UNITS OF STUDY (SUBJECT FIELDS); *TEXTBOOKS; HIGH SCHOOLS; REFERENCE MATERIALS; POST SECONDARY EDUCATION

ABSTRACT - THIS TEXTUAL OR REFERENCE MATERIAL ON NUTRIENT DEFICIENCIES OF CROPS IS FOR USE IN HIGH SCHOOL AND ADULT CLASSES. IT WAS DEVELOPED BY A TEACHER EDUCATOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, SUPERVISORS, OTHER TEACHER EDUCATORS, AND TEACHERS. THE MATERIAL ANSWERS THE QUESTIONS: (1) WHAT ARE SOME OF THE COMMON HUNGER SIGNS OF CROPS, (2) HOW CAN I VERIFY HUNGER SIGNS, AND (3) HOW CAN HUNGER SIGNS GUIDE ME IN IMPROVING SOIL FERTILITY. THE DOCUMENT IS ILLUSTRATED WITH TABLES, GRAPHS, DRAWINGS, AND COLOR PHOTOGRAPHS. THE MATERIAL WAS DESIGNED FOR USE IN 1 TO 3 HOURS BY STUDENTS OF AVERAGE ABILITY UNDER TEACHERS WITH GENERAL AGRICULTURAL COMPETENCY. (JM)

VT 005 204
SPRAY PAINTINGL.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-3015
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($0.35).
PUB DATE - JAN63 29P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *PAINTING; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIALS, THIS PAMPHLET PRESENTS TECHNICAL INFORMATION ABOUT SPRAY PAINTING. IT WAS DEVELOPED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) WHAT ITEMS OF EQUIPMENT ARE NEEDED FOR SPRAY PAINTING, (2) WHAT TECHNIQUES ARE NEEDED TO BE A GOOD SPRAY-GUN OPERATOR, AND (3) WHAT CAN BE DONE IF THE SPRAY GUN FAILS TO OPERATE PROPERLY. THE SUGGESTED TIME ALLOTMENT IS 2 TO 8 CLOCK HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. TABULAR DATA AND ILLUSTRATIONS ARE INCLUDED. (WB)

VT 005 205
SMALL ENGINES--PRINCIPLES OF OPERATION, TROUBLE SHOOTING, AND TUNE-UP .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($0.20).
PUB DATE - MAY62 17P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *ENGINES; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - INFORMATION CONCERNED WITH PRINCIPLES OF OPERATION, TROUBLE SHOOTING, AND TUNEUP OF SMALL ENGINES IS PRESENTED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL. IT WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) THE COMMON TYPES OF SMALL ENGINES, (2) THE BASIC PRINCIPLES OF ENGINE OPERATION, AND (3) TROUBLE SHOOTING AND TUNEUP. THE SUGGESTED TIME ALLOTMENT IS 1 TO 4 CLOCK HOURS. TEACHERS WITH A GENERAL AGRICULTURE BACKGROUND MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES THAT REQUIRE OPERATING SMALL ENGINES. A LIST OF REFERENCES AND PICTORIAL DIAGRAMS ARE INCLUDED. (WB)

VT 005 206
FACTORS INVOLVED IN THE BORROWING PROCESS .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-2028
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($0.10).
PUB DATE - MAY6L 9P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT;

*CREDIT (FINANCE); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - INFORMATION ABOUT FACTORS INVOLVED IN THE BORROWING PROCESS IS PRESENTED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL IN THE STUDY OF FARM CREDIT. THE MATERIAL WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) TEN RULES FOR THE SOUND AND WISE USE OF CREDIT, (2) SOUND LENDING PRACTICE, (3) CREDIT RISK RATING, (4) A CASE STUDY OF CREDIT RISK, AND (5) THREE IMPORTANT STEPS IN OBTAINING CREDIT. THE SUGGESTED TIME ALLOTMENT IS 1 TO 2 CLOCK HOURS. TEACHERS WITH A GENERAL AGRICULTURE BACKGROUND MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. (WB)

VT 005 207
SOURCES OF FARM CREDIT .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-2027
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($0.15).
PUB DATE - MAY61 13P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *CREDIT (FINANCE); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - INFORMATION ABOUT FARM CREDIT IS PRESENTED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT AND REFERENCE MATERIAL. THE MATERIAL WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS IN FARM MANAGEMENT, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) TOTAL AMOUNTS AND KINDS OF CREDIT USED, (2) SOURCES OF PRODUCTION CREDIT, (3) MAIN SOURCES OF FARM MORTGAGE CREDIT, (4) FACTORS CONSIDERED BY THE LENDER, AND (5) FACTORS CONSIDERED BY THE BORROWER. THE SUGGESTED TIME ALLOTMENT IS 1 TO 3 CLOCK HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN THE FARM MANAGEMENT FIELD. (WB)

VT 005 208
DIGESTION IN ANIMALS .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1026
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($0.10).
PUB DATE - MAY60 8P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; FARMING; N*LIVESTOCK; *NUTRITION; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DESIGNED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS A TEXT OR REFERENCE, THIS PAMPHLET PRESENTS TECHNICAL INFORMATION NEEDED IN STUDYING THE DIGESTIVE SYSTEM OF ANIMALS. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) THE DIGESTIVE SYSTEM, (2) DIGESTION IN THE MOUTH, (3) DIGESTION IN THE STOMACH, (4) DIGESTION IN THE SMALL INTESTINE, (5) DIGESTION IN THE LARGE INTESTINES, AND (6) ABSORPTION OF THE DIGESTED FOODSTUFFS. THE SUGGESTED TIME ALLOTMENT IS 1 TO 2 CLOCK HOURS. TEACHERS WITH A GENERAL AGRICULTURE BACKGROUND MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. ILLUSTRATIONS OF THE ANIMAL DIGESTIVE SYSTEM ARE INCLUDED. (WB)

VT 005 209
ARTIFICIAL INSEMINATION OF LIVESTOCK .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-1002A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($0.10).
PUB DATE - MAY63 9P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *LIVESTOCK; *BREEDING; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - TECHNICAL INFORMATION NEEDED IN ARTIFICIALLY INSEMINATING LIVESTOCK IS PRESENTED IN THIS DOCUMENT FOR USE BY HIGH SCHOOL AND ADULT STUDENTS PREPARING TO ENTER PRODUCTION AGRICULTURE. IT WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) THE ADVANTAGES AND DISADVANTAGES OF ARTIFICIAL INSEMINATION, (2) THE REPRODUCTION ORGANS OF MAMMALS, (3) SPERM COLLECTION AND STORAGE, (4) PROCEDURE FOR ARTIFICIALLY INSEMINATING FEMALES, (5) USE OF COOPERATIVE BREEDING ORGANIZATIONS. THE SUGGESTED TIME ALLOTMENT IS 1 TO 2 CLOCK HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. INSEMINATION DATA ARE PRESENTED IN DIAGRAM FORM. (WB)

VT 005 210
GROWING PLANTS INDOORS .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS-5007
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($0.15).

PUB DATE - FEB68 13P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; REFERENCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS), *ORNAMENTAL HORTICULTURE; POST SECONDARY EDUCATION; HIGH SCHOOLS; *PLANT GROWTH

ABSTRACT - TECHNICAL INFORMATION NEEDED FOR GROWING PLANTS INDOORS IS PRESENTED FOR USE BY HIGH SCHOOL AND ADULT STUDENTS AS TEXT OR REFERENCE MATERIAL. IT WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. MAJOR UNITS ARE (1) LIGHT, (2) TEMPERATURE, (3) GASES, (4) HUMIDITY, (5) SOIL MOISTURE, (6) NUTRIENTS, (7) GENERAL MAINTENANCE, AND (8) COMMON TROUBLES. THE SUGGESTED TIME ALLOTMENT IS 1 TO 3 CLOCK HOURS. TEACHERS WITH A BACKGROUND IN GENERAL AGRICULTURE MAY USE THIS MATERIAL WITH STUDENTS OF BOTH SEXES WHO HAVE AVERAGE ABILITY, AGRICULTURAL INTEREST, AND OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. PICTORIAL ILLUSTRATIONS AND A TABLE SHOWING MINIMUM LIGHT REQUIREMENTS FOR INDOOR PLANT GROWING ARE INCLUDED. (WB)

VT 005 260
MILK PROCESSING PLANT EMPLOYEE COURSE OF STUDY .

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
PUB DATE - 67 329P.

DESCRIPTORS - RESOURCE MATERIALS; *STUDY GUIDES; *VOCATIONAL AGRICULTURE; ANSWER KEYS; *FOOD PROCESSING OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS; *MILK; UNITS OF STUDY (SUBJECT FIELDS); GRADE 11; GRADE 12; TESTS

ABSTRACT - DEVELOPED AND REVIEWED BY VOCATIONAL AGRICULTURE TEACHERS AND SUBJECT MATTER SPECIALISTS, THIS STUDY REFERENCE IS FOR HIGH SCHOOL STUDENTS IN THE SOUTHERN UNITED STATES WITH AN OCCUPATIONAL INTEREST IN MILK PROCESSING. THE CONTENT INCLUDES UNITS ON: (1) MILK PROCESSING INDUSTRY, (2) NUTRITIONAL PROPERTIES OF MILK, (3) MICROBIOLOGY AND SANITATION, (4) MILK QUALITY AND CONTROL, (5) MILK PROCESSING EQUIPMENT, (6) MILK PROCESSING, (7) BY-PRODUCTS AND SPECIALTIES, (8) PLANT EQUIPMENT MAINTENANCE, (9) ELECTRICAL POWER AND REFRIGERATION, (10) PLANT MANAGEMENT, AND (11) PLANT MAINTENANCE. EACH UNIT CONTAINS (1) AN ASSIGNMENT SHEET WITH THE TOPIC, OBJECTIVE, REFERENCES, AND QUESTIONS OR ACTIVITIES, (2) AN ANSWER SHEET, (3) A TOPIC TEST, AND (4) A TEST ANSWER SHEET. TEACHERS MAY USE THIS MATERIAL FOR A 165-HOUR COURSE FOR 11TH AND 12TH GRADE STUDENTS. (DM)

VT 005 265
BICE, GARRY R.; DUNSMORE, GEORGE M.
FORESTRY, CONSERVATION AND OUTDOOR RECREATION. GUIDELINES FOR DEVELOPING PROGRAMS IN VOCATIONAL AGRICULTURAL EDUCATION IN VERMONT .

VERMONT UNIV., BURLINGTON. DEPT. OF AGRICULTURAL EDUCATION
VERMONT STATE DEPT. OF EDUCATION, MONTPELIER. DIV. OF VOCATIONAL-TECHNICAL EDUCATION
PUB DATE - NOV67 62P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *FORESTRY; RESOURCE MATERIALS; FACILITY GUIDELINES; HIGH SCHOOLS; EDUCATIONAL EQUIPMENT; *RECREATION; *CONSERVATION EDUCATION; OCCUPATIONAL CLUSTERS

ABSTRACT - DEVELOPED FOR USE IN PLANNING A COURSE FOR HIGH SCHOOL STUDENTS IN AREA VOCATIONAL SCHOOLS, GUIDELINES ARE INCLUDED FOR CURRICULUM PLANNING IN FORESTRY, CONSERVATION, WILDLIFE MANAGEMENT, OUTDOOR RECREATION, SOIL AND WATER MANAGEMENT, AND THE AGRICULTURAL MECHANICS RELATED TO THESE FIELDS. EXAMPLES OF OCCUPATIONS FOR WHICH THIS COURSE IS INTENDED ARE: FISH AND GAME WARDEN, LUMBERMAN, LOGGER, FOREMAN, FORESTRY AIDE, SOIL CONSERVATION TECHNICIAN, PARK ATTENDANT, PARK CARETAKER, YOUTH CAMP DIRECTOR, CAMP GROUNDS CARETAKER, GOLF COURSE GREENS CARETAKER, MAINTENANCE MAN, HEAVY EQUIPMENT OPERATOR, GROUNDSKEEPER, AND FIRE WARDEN. CONTENT INCLUDES A 2-YEAR SUGGESTED COURSE OF STUDY, SUGGESTED BUILDINGS AND FACILITIES, AND RECOMMENDED TOOLS, EQUIPMENT, AND INSTRUCTIONAL MATERIALS. SUPPLEMENTARY MATERIALS INCLUDE LINE DRAWINGS OF FACILITIES AND A BIBLIOGRAPHY. (DM)

VT 005 272
TIME TO RECLINE (SCRIPT FOR SLIDE SET).

OHIO STATE UNIV., COLUMBUS. COOPERATIVE EXTENSION SERVICE
MM-286
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($11.50 INCLUDES DOCUMENT, SLIDES, TAPED SCRIPT AND LEAFLET).
PUB DATE - ND 28P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FERTILIZERS; FARMERS; HIGH SCHOOLS; ADULT FARMER EDUCATION; *FILMS; SOIL CONSERVATION

ABSTRACT - THE AGRONOMY DEPARTMENT STAFF DEVELOPED THIS SET OF 58 SLIDES, NARRATIVE SCRIPT, AND INFORMATIVE LEAFLET ON APPLYING LIME TO SOIL TO INCREASE CROP PRODUCTION. THE MATERIAL WAS TESTED BY FARMERS, COUNTY EXTENSION AGENTS, AND VOCATIONAL AGRICULTURE TEACHERS. IT IS INTENDED FOR USE IN MIDWEST HIGH SCHOOL AND ADULT FARMER CLASSES. THE SLIDE PRESENTATION REQUIRES ABOUT 20 MINUTES. THE SLIDES INCLUDE PHOTOGRAPHIC, CARTOON, AND GRAPHIC PRESENTATIONS OF CONCEPTS AND DATA. (JM)

VT 005 273
AGRICULTURAL SUPPLIES BUSINESS AND SERVICE CURRICULUM GUIDE .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION

OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($1.00).
PUB DATE - 67 68P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; PROGRAM PLANNING; *CURRICULUM GUIDES; COOPERATIVE EDUCATION; CURRICULUM DEVELOPMENT; CURRICULUM; HIGH SCHOOLS; *PROGRAM GUIDES

ABSTRACT - THE OHIO STATE SUPERVISORY STAFF, IN CONSULTATION WITH TEACHER COMMITTEES, DEVELOPED THIS GUIDE TO ASSIST TEACHERS IN PLANNING AN AGRICULTURAL SUPPLY CURRICULUM TO PREPARE HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS FOR ENTRY-LEVEL EMPLOYMENT IN AGRICULTURAL BUSINESS AND SERVICE OCCUPATIONS. MAJOR SECTIONS IN THE GUIDE COVER PROGRAM PURPOSES, VOCATIONAL OBJECTIVES, PROGRAM DESCRIPTION, PROGRAM GUIDELINES, CURRICULUM PLANNING GUIDELINES, AREAS OF INSTRUCTION, AND COMPETENCIES TO BE DEVELOPED. SUGGESTED CURRICULUMS ARE INCLUDED FOR (1) THE SENIOR YEAR, (2) THE JUNIOR YEAR, (3) THE RELATED CLASS AND (4) INDIVIDUAL AREAS OF INSTRUCTION SUCH AS AGRICULTURAL MACHINERY AND EQUIPMENT, SUPPLIES, ORNAMENTAL HORTICULTURE, PRODUCTS, SERVICE OCCUPATIONS, OFFICE PRACTICE, AND EQUIPMENT AND FACILITIES. A DIAGRAM OF THE COOPERATIVE WORK EXPERIENCE PROGRAM AND ON-THE-JOB TRAINING FORMS ARE PROVIDED. (JM)

VT 005 274

A CURRICULUM GUIDE FOR AGRICULTURAL EQUIPMENT AND MECHANICS .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($11.00).
PUB DATE - 67 34P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY OCCUPATIONS; *CURRICULUM GUIDES; AGRICULTURAL ENGINEERING; HAND TOOLS; JOB SKILLS; CURRICULUM; EQUIPMENT; EDUCATIONAL FACILITIES; LEADERSHIP TRAINING; PROGRAM GUIDES

ABSTRACT - THE OHIO STATE SUPERVISORY STAFF, IN CONSULTATION WITH TEACHER COMMITTEES, DEVELOPED THIS GUIDE TO ASSIST TEACHERS IN PLANNING A COURSE IN AGRICULTURAL MECHANICS AND EQUIPMENT TO PREPARE HIGH SCHOOL JUNIORS AND SENIORS FOR ENTRY INTO MECHANICS, PARTS, SALES, MACHINERY SET-UP, AND MANAGEMENT POSITIONS. SPECIFIC EDUCATIONAL OBJECTIVES ARE LISTED IN THE FORM OF 36 COMPETENCIES WHICH ARE CLASSIFIED BY JOB. INFORMATION IS PROVIDED ON (1) EMPLOYMENT OPPORTUNITIES, (2) LOCAL IMPLEMENTATION OF THE COURSE, (3) CURRICULUM PLANNING WHICH INCLUDES AN OUTLINE OF RELATED, RELATED TECHNICAL, AND LABORATORY INSTRUCTION FOR 2 YEARS, (4) FACILITIES SPECIFICATIONS, AND (5) LISTS OF TOOLS AND EQUIPMENT. A 25-HOUR UNIT ON LEADERSHIP TRAINING COVERS OBJECTIVES, COMPETENCIES, THE FUTURE FARMERS OF AMERICA, GROUP AND COMMITTEE WORK, AND THE DEVELOPMENT OF PERSONAL HABITS AND TRAITS. (JM)

VT 005 275

A CURRICULUM GUIDE FOR VOCATIONAL HORTICULTURE .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($1.00).
PUB DATE - 67 37P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *CURRICULUM GUIDES; HIGH SCHOOLS; CURRICULUM; EDUCATIONAL FACILITIES; HAND TOOLS; EQUIPMENT; LEADERSHIP TRAINING; *ORNAMENTAL HORTICULTURE OCCUPATION; PROGRAM GUIDES

ABSTRACT - THE OHIO STATE SUPERVISORY STAFF, IN CONSULTATION WITH TEACHER COMMITTEES, DEVELOPED THIS GUIDE TO ASSIST TEACHERS IN PLANNING A HIGH SCHOOL VOCATIONAL HORTICULTURE CURRICULUM TO PROVIDE STUDENTS WITH THE NECESSARY SKILLS AND UNDERSTANDINGS FOR SECURING EMPLOYMENT. IT PROVIDES (1) INFORMATION ABOUT EMPLOYMENT OPPORTUNITIES IN ORNAMENTAL HORTICULTURE, (2) A LIST OF CONDITIONS FOR WHICH THE GUIDE WAS PREPARED, (3) A SUGGESTED 2-YEAR CURRICULUM, WHICH INCLUDES OBJECTIVES AND OUTLINED TEACHING UNITS, (4) COURSE OUTLINES WHICH CORRELATE, IN PARALLEL COLUMNS, ITEMS OF RELATED, TECHNICAL RELATED, AND LABORATORY INSTRUCTION, THE TIME REQUIRED, AND THE MONTH OFFERED, (5) TEACHER SELECTION AND RESPONSIBILITIES, (6) SPECIFICATIONS FOR FACILITIES, AND (7) LISTS OF TOOLS AND EQUIPMENT. A 25-HOUR UNIT ON LEADERSHIP TRAINING, WHICH MAY BE INCORPORATED INTO THE VOCATIONAL HORTICULTURE COURSE OUTLINE, COVERS OBJECTIVES, COMPETENCIES, THE FUTURE FARMERS OF AMERICA, GROUP AND COMMITTEE WORK, AND THE DEVELOPMENT OF PERSONAL HABITS AND TRAITS. (JM)

VT 005 292

DESCRIPTION OF THE NEW COURSE OF STUDY IN VOCATIONAL AGRICULTURE FOR ALABAMA .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
VOCATIONAL AGRICULTURAL EDUCATION
PUB DATE - JUN64 7P.

DESCRIPTORS - *CURRICULUM; *COURSE DESCRIPTIONS; HIGH SCHOOLS; *VOCATIONAL AGRICULTURE; *STATE PROGRAMS
IDENTIFIERS - ALABAMA

ABSTRACT - THE COURSES DESCRIBED WERE DESIGNED TO INCLUDE TRAINING ESSENTIAL FOR FARMING AND FOR ENTRY AND ADVANCEMENT IN RELATED AGRICULTURAL OCCUPATIONS. COURSES IN THE FIRST 2 YEARS ARE INTENDED TO PROVIDE EXPLORATORY OPPORTUNITIES, GUIDANCE, SHOP TRAINING, AND LEADERSHIP DEVELOPMENT, OPTIONS

IN THE THIRD AND FOURTH YEAR ALLOW SELECTION OF TRAINING IN EITHER AGRICULTURAL PRODUCTION OR BUSINESS. THE OBJECTIVES OF A GOOD VOCATIONAL AGRICULTURE PROGRAM AND THE GROUPS IT SERVES ARE LISTED. SPECIFIC DESCRIPTIONS ARE GIVEN FOR (1) THE FIRST YEAR COURSE--LIFE SCIENCE AND GENERAL SHOP, (2) THE SECOND-YEAR COURSE--AGRICULTURAL SCIENCE AND GENERAL SHOP, (3) THE THIRD-YEAR OPTIONS--AGRICULTURAL PRODUCTION AND MECHANICS, OR AGRI-BUSINESS AND MECHANICS, (4) THE FOURTH-YEAR OPTIONS--FARM BUSINESS MANAGEMENT AND ENGINEERING OR AGRI-BUSINESS MANAGEMENT AND MECHANIZATION, AND (5) THE FIFTH-YEAR OPTIONS--ADVANCED AGRICULTURAL PRODUCTION OR ADVANCED AGRI-BUSINESS. (JM)

VT 005 394
DAWSON, C.G.
POULTRY MANAGEMENT AND HEALTH , A SHORT COURSE IN POULTRY TECHNOLOGY.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 15P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; AGRICULTURAL TECHNICIANS; ANIMAL SCIENCE; *POULTRY; ADULT VOCATIONAL EDUCATION

ABSTRACT - A CONTENT OUTLINE FOR A 30-HOUR COURSE, TO BE USED BY ADULT EDUCATION TEACHERS IN PREPARING AGRICULTURAL SERVICE TECHNICIANS FOR POULTRY PRODUCERS WAS PREPARED BY SUBJECT-MATTER SPECIALISTS AND EVALUATED BY AGRICULTURAL AND BIOLOGICAL EDUCATION CONSULTANTS. THE SECTIONS ARE MANAGEMENT AND SANITATION IN DISEASE AND PARASITE PREVENTION, AND POULTRY HEALTH WHICH DEALS WITH THE CAUSES, SYMPTOMS, PREVENTION, AND CONTROL OF SPECIFIC POULTRY DISEASES AND PARASITES. TEACHERS WHO ARE COLLEGE GRADUATES IN POULTRY SCIENCE MAY USE THIS MATERIAL WITH COMMUNITY COLLEGE OR TECHNICAL INSTITUTE STUDENTS. (WB)

VT 005 395
BEAMON, D.L.
TRACTOR ELECTRICAL SYSTEMSL, A SHORT COURSE IN EQUIPMENT TECHNOLOGY FOR SERVICEMEN IN FARM MACHINERY INDUSTRY.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - JUL64 7P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; ADULT VOCATIONAL EDUCATION; *TRACTORS; *FARM MECHANICS (OCCUPATION)

ABSTRACT - TECHNICAL INFORMATION NEEDED IN THE FARM MACHINERY INDUSTRY IS PRESENTED IN THIS COURSE OUTLINE FOR USE BY ADULT EDUCATION TEACHERS IN PREPARING EQUIPMENT SERVICEMEN FOR EMPLOYMENT IN THE FARM MACHINERY FIELD. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS AND EVALUATED BY AGRICULTURAL AND BIOLOGICAL EDUCATION CONSULTANTS. MAJOR UNITS ARE (1) FUNDAMENTALS OF ELECTRICITY, (2) STORAGE BATTERIES, (3) CRANKING MOTOR CIRCUIT, (4) BATTERY IGNITION SYSTEMS, (5) MAGNETIC IGNITION SYSTEMS, AND (6) CHARGING CIRCUIT. THE SUGGESTED TIME ALLOTMENT IS 20 HOURS. TEACHERS WHO ARE AGRICULTURAL COLLEGE GRADUATES IN TRACTORS AND MACHINERY OR MECHANICS MAY USE THIS MATERIAL WITH COMMUNITY COLLEGE OR TECHNICAL INSTITUTE STUDENTS WHO HAVE OCCUPATIONAL OBJECTIVES IN THE FARM MACHINERY INDUSTRY. (WB)

VT 005 396
PADILLA, NAPOLEON S.
FARM RECORDS AND TAXES , A SHORT COURSE IN FARM ACCOUNTING AND TAXATION.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - JAN65 15P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *FARM ACCOUNTS; FARM MANAGEMENT; *TAXES; ADULT VOCATIONAL EDUCATION

ABSTRACT - INFORMATION NEEDED IN FARM ACCOUNTING AND TAXATION IS PRESENTED IN THIS COURSE GUIDE FOR USE BY ADULT EDUCATION TEACHERS IN PREPARING FARM MANAGERS AND OTHERS RESPONSIBLE FOR FARM RECORD KEEPING. IT WAS PREPARED BY SUBJECT AND CURRICULUM SPECIALISTS AND EVALUATED BY AGRICULTURAL AND BIOLOGICAL EDUCATION CONSULTANTS. MAJOR UNITS ARE (1) THE PHYSICAL RECORDS, (2) FARM INVENTORY, (3) FARM FINANCIAL ACCOUNTS, (4) ANALYSIS OF THE FARM RECORDS, (5) MEASURES OF PERFORMANCE, (6) INCOME TAX AND SPECIAL ACCOUNTING PROBLEMS, (7) ENTERPRISE ACCOUNTS, (8) PARTNERSHIP AND RENTED FARMS, (9) FARM BUDGETING AND PLANNING, AND (10) LINEAR PROGRAMING. THE SUGGESTED TIME ALLOTMENT IS 72 HOURS. AN ACCOUNTANT OR LAWYER MAY USE THIS MATERIAL WITH COMMUNITY COLLEGE OR TECHNICAL INSTITUTE STUDENTS WHO HAVE AN INTEREST AND NEED FOR FARM ACCOUNTING AND TAXATION INFORMATION. A BIBLIOGRAPHY, A STUDENT SURVEY FORM, AND A COURSE PLANNING FORM ARE INCLUDED. (WB)

VT 005 397
PADILLA, NAPOLEON S.
SWINE FEEDING AND MANAGEMENT , A SHORT COURSE IN SWINE FEEDING AND MANAGEMENT FOR SWINE FIELDMEN.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - DEC64 13P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *FEEDS; *SWINE; ADULT VOCATIONAL EDUCATION

ABSTRACT - THIS COURSE CONTENT GUIDE IS FOR USE BY ADULT EDUCATION TEACHERS IN PREPARING FIELDMEN IN SWINE FEEDING AND MANAGEMENT. IT WAS PREPARED BY A CURRICULUM SPECIALIST AND EVALUATED BY AGRICULTURAL AND BIOLOGICAL EDUCATION INSTRUCTORS. MAJOR UNITS ARE (1) HISTORY AND DEVELOPMENT IN THE SWINE INDUSTRY, (2) DISTRIBUTION, ADAPTATION, AND THE FUTURE OF THE SWINE INDUSTRY, (3) TYPES AND BREEDS OF SWINE, (4) SELECTING AND JUDGING SWINE, (5) BREEDING SWINE, (6) FEEDING SWINE, (7) BUILDINGS AND EQUIPMENT FOR SWINE, (8) SWINE HEALTH, (9) MARKETING AND SLAUGHTERING HOGS, (10) SWINE MANAGEMENT,

(11) AUTOMATION IN THE SWINE INDUSTRY, AND (12) INTEGRATION IN THE SWINE INDUSTRY. THE SUGGESTED TIME ALLOTMENT IS 30 HOURS. TEACHERS WHO ARE AGRICULTURAL COLLEGE GRADUATES IN SWINE OR ANIMAL SCIENCE MAY USE THIS MATERIAL WITH COMMUNITY COLLEGE OR TECHNICAL INSTITUTE STUDENTS HAVING OCCUPATIONAL OBJECTIVES IN AGRICULTURAL OR RELATED BIOLOGICAL AREAS. A LIST OF REFERENCES AND A STUDENT SURVEY FORM ARE INCLUDED. (WB)

VT 005 398
DAWSON, C.G.
FERTILIZERS AND LIME , A SHORT COURSE IN FERTILIZER TECHNOLOGY FOR FERTILIZER HANDLERS.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 14P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *FERTILIZERS; *ADULT VOCATIONAL EDUCATION

ABSTRACT - THIS COURSE OUTLINE IS FOR TEACHER USE WITH FERTILIZER HANDLERS, AGRICULTURAL BUSINESSMEN, AND OTHERS WHO ADVISE PRODUCERS ON THE USE OF FERTILIZERS AND LIME. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS AND EVALUATED BY AGRICULTURAL AND BIOLOGICAL EDUCATION CONSULTANTS. MAJOR UNITS ARE (1) ECONOMICS OF FERTILIZERS AND LIME USAGE, (2) PLANT GROWTH AND NUTRITION, (3) NITROGEN FERTILIZERS, (4) PHOSPHORUS FERTILIZERS, (5) POTASSIUM FERTILIZERS, (6) SECONDARY AND TRACE ELEMENT FERTILIZERS, (7) MIXED FERTILIZERS, (8) LIQUID FERTILIZERS, (9) FARM MANURES AND PLANT RESIDUES, (10) LIMING MATERIALS, (11) INSPECTION AND CONTROL, (12) SOIL PROPERTIES AFFECTING NUTRIENT AVAILABILITY, (13) THE SOIL TESTING SERVICE, AND (14) THE SOIL TEST REPORT. THE SUGGESTED TIME ALLOTMENT IS 20 HOURS. TEACHERS WHO ARE AGRICULTURAL COLLEGE GRADUATES IN SOIL SCIENCE MAY USE THIS MATERIAL WITH ADULT STUDENTS WHO HAVE OCCUPATIONAL OBJECTIVES IN DISTRIBUTING AND RETAILING FERTILIZERS AND FERTILIZER MATERIALS TO AGRICULTURAL PRODUCERS. A BIBLIOGRAPHY IS INCLUDED. (WB)

VT 005 399
DAWSON, C.G.
AGRICULTURAL LAW , A SHORT COURSE IN PRINCIPLES OF LAW AND THE LAWS PERTAINING TO AGRICULTURE.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 16P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *LAWS; *AGRICULTURE; ADULT VOCATIONAL EDUCATION

ABSTRACT - TECHNICAL INFORMATION IN AGRICULTURAL LAW IS PRESENTED IN THIS COURSE CONTENT OUTLINE FOR USE BY ADULT EDUCATION TEACHERS IN INSTRUCTING AGRICULTURAL PERSONNEL IN THE FUNDAMENTALS OF LAW APPLICABLE TO PRODUCING, PROCESSING, AND MARKETING AGRICULTURAL COMMODITIES. IT WAS PREPARED BY SUBJECT-MATTER SPECIALISTS AND EVALUATED BY AGRICULTURAL AND BIOLOGICAL EDUCATION CONSULTANTS. PART ONE GIVES THE FUNDAMENTALS OF LAW RELATIVE TO CONTRACTS, REAL AND PERSONAL PROPERTY, NEGOTIABLE INSTRUMENTS, LANDLORDS AND TENANTS, AND FARM BUSINESS ORGANIZATION. PART TWO DEALS WITH LAWS AND REGULATIONS CONCERNING THE PRODUCTION AND MARKETING OF AGRICULTURAL COMMODITIES, AND THE SALE AND UTILIZATION OF AGRICULTURAL SUPPLIES AND MATERIALS. THE SUGGESTED TIME ALLOTMENT IS 30 HOURS. AGRICULTURAL COLLEGE GRADUATES OR LAWYERS MAY USE THIS MATERIAL WITH COMMUNITY COLLEGE OR TECHNICAL INSTITUTE STUDENTS WHO HAVE NEED FOR INFORMATION ON AGRICULTURAL LAW. A BIBLIOGRAPHY IS INCLUDED. (WB)

VT 005 400 ED 020 418
CURRICULUM MATERIALS, DESCRIPTION AND PRICE LIST OF MATERIALS DEVELOPED BY THE OHIO VOCATIONAL AGRICULTURE CURRICULUM MATERIALS SERVICE .

OHIO VOCATIONAL AGRICULTURE INSTRUCTIONAL CURRICULUM MATERIALS SERVICE, COLUMBUS
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, 43210 (NO CHARGE).
PUB DATE - 68 15P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CATALOGS; *INSTRUCTIONAL MATERIALS; HORTICULTURE; ANIMAL SCIENCE; SOIL SCIENCE; AGRICULTURAL ENGINEERING; FIELD CROPS; FARM MANAGEMENT; AGRONOMY
IDENTIFIERS - OHIO

ABSTRACT - PAMPHLETS, SLIDES, TAPES, MANUALS, AND AN EXAMINATION ARE INCLUDED IN THIS CATALOG OF INSTRUCTIONAL MATERIALS FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN HIGH SCHOOL AND ADULT FARMER PROGRAMS. THE MATERIALS WERE DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS, CURRICULUM SPECIALISTS, TECHNICAL SPECIALISTS, AND AUDIOVISUAL PERSONNEL AND ARE CATEGORIZED UNDER FIELD CROPS, HORTICULTURE, ANIMAL SCIENCE, SOILS, AGRICULTURAL ENGINEERING, AGRICULTURAL ECONOMICS, FARMING PROGRAMS, CURRICULUM GUIDES, AND CAREERS. EACH ENTRY CONTAINS THE TITLE AGDEX CODE, DATE, PAGINATION, DESCRIPTION, AND PRICE. AN ORDER FORM IS INCLUDED. COPIES OF THIS DOCUMENT ARE AVAILABLE WITHOUT CHARGE FROM OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (JM)

VT 005 461
COMBINES AND COMBINING .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.00).
PUB DATE - 68 112P.

DESCRIPTORS - *TEXTBOOKS; UNITS OF STUDY

(SUBJECT FIELDS); REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY; GRADE 12; GRADE 11; *HARVESTING

ABSTRACT - TECHNICAL INFORMATION NEEDED BY FARMERS OR CUSTOM COMBINE OPERATORS IN OPERATING GRAIN COMBINE MACHINES IS PRESENTED FOR USE BY HIGH SCHOOL OR AREA VOCATIONAL AGRICULTURE STUDENTS AS TEXT OR REFERENCE MATERIAL. IT WAS PREPARED BY A STATE DIRECTOR OF VOCATIONAL AGRICULTURE CURRICULUM MATERIALS SERVICE WITH THE ASSISTANCE OF CONSULTING AGRICULTURAL ENGINEERS. MAJOR UNITS ARE THE VALUE OF DOING A GOOD JOB OF COMBINING, THE BASIC DESIGN OF THE COMBINE, OPERATION OF THE COMBINE, AND ECONOMICS OF OWNING A COMBINE. NUMEROUS LINE DRAWINGS, CHARTS, GRAPHS, AND FORMS FOR RECORDING INFORMATION ARE INCLUDED. THE SUGGESTED TIME ALLOTMENT IS 30 HOURS. TEACHERS OF VOCATIONAL AGRICULTURE MAY USE THE MATERIAL WITH GRADE 11 AND 12 STUDENTS WHO ARE ENROLLED IN PRODUCTION AGRICULTURE OR AGRICULTURAL MECHANICS COURSES. A SERIES OF 30 COLOR SLIDES, "COMBINES AND COMBINING," AND A 50-QUESTION EXAMINATION WITH KEY ARE AVAILABLE. (WB)

VT 005 468
LINDBERG, W.H., AND OTHERS
ORNAMENTAL HORTICULTURE , A SHORT COURSE INSTRUCTIONAL GUIDE FROM AGRICULTURAL AND BIOLOGICAL EDUCATION.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. CURRICULUM LAB.
PUB DATE - MAY64 25P.

DESCRIPTORS - *TEACHING GUIDES; ADULT VOCATIONAL EDUCATION; *ORNAMENTAL HORTICULTURE; *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *ORNAMENTAL HORTICULTURE OCCUPATION

ABSTRACT - THIS GUIDE IS FOR TEACHER USE IN PLANNING A COMMUNITY COLLEGE OR TECHNICAL INSTITUTE COURSE FOR ADULTS IN ORNAMENTAL HORTICULTURE. IT WAS DEVELOPED BY A CURRICULUM SPECIALIST AND EVALUATED BY INSTRUCTORS IN COMMUNITY COLLEGES. THE COURSE IS DESIGNED TO DEVELOP SKILLS AND UNDERSTANDINGS IN (1) DEVELOPING THE LANDSCAPE, LAWN AND SHRUBBERY ARRANGEMENT, (2) PLANTING, FERTILIZING, PRUNING, AND CARING FOR ORNAMENTAL PLANTS, (3) RECOGNIZING INSECT AND DISEASE PROBLEMS, (4) DIRECTING WORKERS IN ORNAMENTAL HORTICULTURE, AND (5) LEARNING ABOUT SOURCES OF INFORMATION. THE MAJOR COURSE OUTLINE HEADINGS ARE (1) INTRODUCTION AND ORIENTATION TO THE COURSE, (2) PLANNING THE HOMESTEAD, (3) PLANT CLASSIFICATION AND BOTANICAL INFORMATION, (4) SOILS AND FERTILIZERS, (5) ORNAMENTAL PLANTS, IDENTIFICATION AND USE, (6) PRUNING AND MAINTENANCE OF TREES, SHRUBS, AND EVERGREENS, (7) LAWNS, (8) ANNUAL AND PERENNIAL FLOWERING PLANTS, (9) PLANT PROPAGATIONM HOTBEDS, COLDFRAMES, PLASTIC GREENHOUSES, (10) AZALEAS, CAMELLIAS, SASANQUAS, RHODODENDRONS, AND ROSES, AND (11) DISEASE, INSECT AND WEED CONTROL. THE TEACHER FOR THIS 24-HOUR COURSE SHOULD BE AN AGRICULTURAL COLLEGE GRADUATE IN ORNAMENTAL HORTICULTURE. SUPPLEMENTARY MATERIALS INCLUDE SUGGESTIONS TO THE TEACHER AND A LIST OF REFERENCE MATERIALS. (DM)

VT 005 484
PRE-PROFESSIONAL AGRICULTURE (ALL OTHER AGRICULTURE), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 37P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; AGRICULTURAL CHEMICAL OCCUPATIONS; AGRICULTURAL SUPPLY OCCUPATIONS; PROFESSIONAL OCCUPATIONS; *AGRICULTURE; GRADE 11; GRADE 12
IDENTIFIERS - ALABAMA; SOUTHEASTERN UNITED STATES

ABSTRACT - STUDY QUESTIONS, SUGGESTED LEARNING ACTIVITIES, AND REFERENCES CONCERNED WITH PREPARATION FOR ENTRY INTO PROFESSIONAL AGRICULTURE FIELDS ARE PRESENTED FOR INDIVIDUALIZED STUDY BY VOCATIONAL AGRICULTURE STUDENTS. THEY WERE DEVELOPED BY A DISTRICT VOCATIONAL AGRICULTURE SUPERVISOR WITH ASSISTANCE FROM A SUBJECT-MATTER SPECIALIST AND A TEACHER EDUCATOR. MAJOR UNITS INCLUDE (1) EMPLOYMENT OPPORTUNITIES, (2) LIVESTOCK PRODUCTION, (3) CROP PRODUCTION, (4) CHEMICAL WEED CONTROL, (5) PRODUCTION, CARE AND MAINTENANCE OF ORNAMENTAL WEED CONTROL, (5) PRODUCTION, CARE AND MAINTENANCE OF ORNAMENTAL PLANTS, (6) DISEASE AND INSECT CONTROL IN PLANTS, (7) POULTRY PRODUCTION, (8) FARM MANAGEMENT, (9) FARM LAW AND LEGAL PROBLEMS, (10) SALESMANSHIP, (11) CREDIT AND COLLECTIONS, AND (12) PERSONNEL MANAGEMENT. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. (WB)

VT 005 485
PRE-PROFESSIONAL AGRICULTURE (ALL OTHER AGRICULTURE), COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 67 33P.

DESCRIPTORS - *CURRICULUM GUIDES; TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *PROFESSIONAL OCCUPATIONS; *AGRICULTURE; GRADE 11; GRADE 12; BIBLIOGRAPHIES; EMPLOYMENT OPPORTUNITIES

ABSTRACT - INFORMATION AND LEARNING ACTIVITIES CONCERNED WITH AGRICULTURAL FIELDS INCLUDING SPECIALIZED SERVICES, EDUCATION, INSPECTION, REGULATION, AND GOVERNMENT SERVICES ARE PRESENTED IN THIS COURSE OUTLINE FOR USE IN PREPROFESSIONAL AGRICULTURE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. IT WAS DEVELOPED BY A VOCATIONAL AGRICULTURE SUPERVISOR WITH ASSISTANCE FROM A SUBJECT-MATTER SPECIALIST AND TEACHER EDUCATOR. TEACHING UNITS INCLUDE: (1) EMPLOYMENT OPPORTUNITIES IN PROFESSIONAL

AGRICULTURE, (2) LEADERSHIP, (3) SUPERVISED PRACTICE, (4) LIVESTOCK PRODUCTION, (5) CROP PRODUCTION, (6) CHEMICAL WEED CONTROL, (7) DISEASE AND INSECT CONTROL IN PLANTS, (8) FARM MANAGEMENT, (9) FARM LAW AND LEGAL PROBLEMS, (10) SALESMANSHIP, (11) CREDIT AND COLLECTION, (12) PERSONNEL MANAGEMENT, (13) BUSINESS COMMUNICATIONS, AND (14) FARM AND HOME MECHANICS. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. A BIBLIOGRAPHY IS INCLUDED. (WB)

VT 005 486
AGRICULTURAL PRODUCTS (PROCESSING-MARKETING-INSPECTION-SERVICES), COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 29P.

DESCRIPTORS - *CURRICULUM GUIDES; TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *AGRICULTURAL PRODUCTION; GRADE 12; GRADE 11

ABSTRACT - INFORMATION AND LEARNING ACTIVITIES CONCERNED WITH PRINCIPLES AND OPERATIONS INVOLVED IN PREPARING AGRICULTURAL PRODUCTS FOR USE OR FOR SALE ARE PRESENTED FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. THE MATERIAL WAS DEVELOPED BY A SUBJECT-MATTER SPECIALIST WITH THE ASSISTANCE OF A TEACHER EDUCATOR AND A SPECIALIST IN FOOD PROCESSING AND TECHNOLOGY. THE UNITS INCLUDE (1) EMPLOYMENT OPPORTUNITIES IN THE FIELD OF AGRICULTURAL PRODUCTS IN ALABAMA, (2) PRINCIPLES OF A FREE ECONOMY, (3) UNDERSTANDING ECONOMIC FACTORS THAT AFFECT FARM BUSINESS, (4) MARKETING PEANUTS, (5) MARKETING BEEF CATTLE, (6) GOVERNMENT REGULATION OF LIVESTOCK MARKETING, (7) MARKETING FRUITS AND VEGETABLES, (8) FOOD PROCESSING, (9) STORAGE AND WAREHOUSING OF AGRICULTURAL PRODUCTS, (10) INSPECTION, GRADING, SHIPPING, AND HANDLING OF AGRICULTURAL PRODUCTS, AND (11) AGRICULTURAL SHOP. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. VOCATIONAL AGRICULTURE TEACHERS, PREFERABLY WITH COURSEWORK IN FOOD PROCESSING, MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. SOURCES OF SUGGESTED INSTRUCTIONAL MATERIALS AND REFERENCES ARE INCLUDED. A STUDENT STUDY GUIDE IS AVAILABLE AS VT 005 487. (WB)

VT 005 487
AGRICULTURAL PRODUCTS (PROCESSING-MARKETING-INSPECTION-SERVICES), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 35P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *AGRICULTURAL PRODUCTION; GRADE 11; GRADE 12

ABSTRACT - QUESTIONS, SUGGESTED LEARNING ACTIVITIES, AND REFERENCES CONCERNED WITH THE PRINCIPLES AND OPERATIONS INVOLVED IN PREPARING AGRICULTURAL PRODUCTS FOR USE OR FOR SALE ARE PRESENTED FOR INDIVIDUALIZED USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS. THE MATERIAL WAS DEVELOPED BY A SUBJECT-MATTER SPECIALIST WITH THE ASSISTANCE OF A TEACHER EDUCATOR AND A SPECIALIST IN FOOD PROCESSING AND TECHNOLOGY. MAJOR UNITS INCLUDE (1) PRINCIPLES OF A FREE ECONOMY, (2) UNDERSTANDING ECONOMIC FACTORS THAT AFFECT FARM BUSINESS, (3) MARKETING GRAIN, (4) MARKETING BEEF CATTLE, (5) GOVERNMENTAL REGULATION OF LIVESTOCK MARKETING, (6) MARKETING FRUITS AND VEGETABLES, (7) MARKETING FOREST PRODUCTS, (8) PROCESSING FRUITS AND VEGETABLES FOR MARKET, (9) WHOLESALE AND RETAIL MEAT PROCESSING, (10) FOOD PROCESSING, (11) PACKAGING AND PROTECTION OF AGRICULTURAL PRODUCTS, (12) STORAGE AND WAREHOUSING OF AGRICULTURAL PRODUCTS, AND (13) INSPECTION, GRADING, SHIPPING, AND HANDLING OF AGRICULTURAL PRODUCTS. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. VOCATIONAL AGRICULTURE TEACHERS PREFERABLY WITH COURSEWORK IN FOOD PROCESSING MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. A LIST OF EMPLOYMENT OPPORTUNITIES IN MARKETING, PROCESSING, INSPECTION, AND SERVICING AGRICULTURAL PRODUCTS IS INCLUDED. A COURSE OUTLINE IS AVAILABLE AS VT 005 486. (WB)

VT 005 490
ORNAMENTAL HORTICULTURE (PRODUCTION-PROCESSING-MARKETING-SERVICES), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 63 39P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *ORNAMENTAL HORTICULTURE; GRADE 11; GRADE 12; BIBLIOGRAPHIES

ABSTRACT - QUESTIONS AND SUGGESTED LEARNING ACTIVITIES CONCERNED WITH THE PRINCIPLES AND OPERATIONS INVOLVED IN THE PRODUCTION, PROCESSING, MARKETING, AND SERVICES OF ORNAMENTAL HORTICULTURE PRODUCTS ARE PRESENTED IN THIS STUDY GUIDE FOR INDIVIDUALIZED USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS. IT WAS DESIGNED BY A VOCATIONAL AGRICULTURE SUPERVISOR WITH THE ASSISTANCE OF A SUBJECT-MATTER SPECIALIST, A TEACHER EDUCATOR, AND COLLEGE HORTICULTURE STAFF MEMBERS. THE UNITS ARE (1) EXPLORING OCCUPATIONAL OPPORTUNITIES IN ORNAMENTAL HORTICULTURE PLANTS, (2) IDENTIFYING ORNAMENTAL HORTICULTURE PLANTS, (3) PROPAGATING HORTICULTURE PLANTS, (4) USING SOIL AND OTHER PLANT GROWING MEDIA, (5) PRODUCING THE FLORAL CROP, (6) DESIGNING FLORAL ARRANGEMENTS, (7) PRODUCING THE NURSERY CROP, (8) CONTROLLING PLANT INSECTS AND DISEASES, (9) CONSTRUCTING, MAINTAINING, AND USING PLANT GROWING STRUCTURES, (10) MERCHANDISING HORTICULTURAL PLANTS AND

SUPPLIES, (11) DEVELOPING THE LANDSCAPE DESIGN OR PLAN, (12) ESTABLISHING AND CARING FOR LAWNS AND TURFS, AND (13) PRACTICING ARBORICULTURE. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING WHO HAVE SPECIALIZED IN HORTICULTURE MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. A LIST OF EMPLOYMENT OPPORTUNITIES IN ORNAMENTAL HORTICULTURE OCCUPATIONS AND SUGGESTED REFERENCES ARE INCLUDED. (WB)

VT 005 491
ORNAMENTAL HORTICULTURE (PRODUCTION-PROCESSING-MARKETING-SERVICE). COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 63 17P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; GRADE 11; GRADE 12; BIBLIOGRAPHIES; ORNAMENTAL HORTICULTURE OCCUPATION

ABSTRACT - INFORMATION AND LEARNING ACTIVITIES CONCERNED WITH PRODUCTION, MANAGEMENT, SALES, AND SERVICES IN GREENHOUSES, NURSERIES, AND GARDEN CENTERS ARE PRESENTED IN THIS COURSE OUTLINE FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. IT WAS DESIGNED BY A SUPERVISOR, SUBJECT-MATTER SPECIALIST, TEACHER EDUCATOR, AND COLLEGE HORTICULTURE STAFF MEMBERS. THE UNIT TITLES ARE (1) EXPLORING OCCUPATIONAL OPPORTUNITIES IN ORNAMENTAL HORTICULTURE, (2) LEADERSHIP, (3) SUPERVISED PRACTICE PROGRAMS, (4) IDENTIFYING ORNAMENTAL HORTICULTURE PLANTS, (5) PROPAGATING HORTICULTURE PLANTS, (6) USING SOIL AND OTHER PLANT GROWTH MEDIA, (7) FLORAL CROP PRODUCTION, (8) FLORAL DESIGN, (9) NURSERY CROP PRODUCTION, (10) CONTROLLING PLANT INSECTS AND DISEASES, (11) CONSTRUCTING, MAINTAINING, AND USING PLANT GROWING STRUCTURES, (12) MERCHANDISING HORTICULTURE PLANTS AND SUPPLIES, (13) DEVELOPING A LANDSCAPE DESIGN, (14) ESTABLISHING AND CARING FOR LAWNS AND TURFS, (15) ARBORICULTURE, (16) SUCCEEDING ON THE JOB, (17) WELDING, (18) SMALL BUILDING CONSTRUCTION, (19) WATER SYSTEMS AND PLUMBING, (20) ELECTRICITY, AND (21) OPERATING, REPAIRING, AND MAINTAINING SMALL POWER AND OTHER TOOLS AND EQUIPMENT. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING WHO SPECIALIZED IN HORTICULTURE MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. A LIST OF SUGGESTED INSTRUCTIONAL MATERIALS AND REFERENCES IS INCLUDED. (WB)

VT 005 492
FORESTRY (PRODUCTION-PROCESSING-MARKETING-SERVICES), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 19P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *FORESTRY OCCUPATIONS; *FORESTRY; GRADE 11; GRADE 12; BIBLIOGRAPHIES

ABSTRACT - STUDY QUESTIONS AND SUGGESTED LEARNING ACTIVITIES CONCERNED WITH PRINCIPLES AND PRACTICES INVOLVED IN PRODUCING, PROCESSING, MARKETING, AND SERVICING FORESTRY PRODUCTS ARE PRESENTED IN THIS STUDY GUIDE FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. IT WAS DESIGNED BY A DISTRICT SUPERVISOR WITH THE ASSISTANCE OF A SUBJECT-MATTER SPECIALIST, TEACHER EDUCATORS, AND AN INDUSTRY REPRESENTATIVE. THE UNITS ARE (1) CAREER OPPORTUNITIES IN FORESTRY, (2) FORESTRY IN ALABAMA, (3) FOREST TREES, (4) PROTECTING THE FOREST, (5) MEASUREMENTS IN FORESTRY, (6) CUTTINGS, (7) REFORESTATION, (8) MARKETING FOREST PRODUCTS, (9) MULTIPLE USE OF FORESTS, AND (10) SPECIAL FORESTRY PROBLEMS. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING AND SPECIAL INSTRUCTION IN FORESTRY MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. SUGGESTED REFERENCES AND A LIST OF EMPLOYMENT OPPORTUNITIES ARE INCLUDED. (WB)

VT 005 493
FORESTRY (PRODUCTION-PROCESSING-MARKETING-SERVICES), COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 33P.

DESCRIPTORS - *CURRICULUM GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *FORESTRY OCCUPATIONS; *FORESTRY; GRADE 11; GRADE 12
IDENTIFIERS - ALABAMA; SOUTHEASTERN UNITED STATES

ABSTRACT - INFORMATION AND LEARNING ACTIVITIES FOR TWO COURSES RELATED TO MANAGING TREES GROWN AS A CROP AND PULPWOOD PRODUCTION IN ALABAMA AND THE SOUTHEAST ARE PRESENTED FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. THE OUTLINES WERE DEVELOPED BY A DISTRICT SUPERVISOR WITH THE ASSISTANCE OF A SUBJECT-MATTER SPECIALIST, A TEACHER EDUCATOR, STAFF MEMBERS, AND A PAPER COMPANY REPRESENTATIVE. THE UNITS IN THE FIRST COURSE ARE: (1) SOME EMPLOYMENT OPPORTUNITIES IN FORESTRY, (2) LEADERSHIP, (3) SUPERVISED PRACTICE AND WORK EXPERIENCE PROGRAMS, (4) FORESTRY IN ALABAMA, (5) FOREST TREES, (6) PROTECTING THE FOREST, (7) MEASUREMENTS IN FORESTRY, (8) CUTTINGS, (9) REFORESTATION, (10) MARKETING FOREST PRODUCTS, (11) MULTIPLE USE OF FORESTS, (12) SPECIAL FORESTRY PRODUCTS, AND (13) AGRICULTURAL SHOP. MAJOR UNITS IN FOREST PRODUCTS PRODUCTION, WHICH PROVIDES SPECIALIZED TRAINING FOR TWELFTH-GRADE STUDENTS INTERESTED IN FORESTRY AND FOREST PRODUCTS, INCLUDE: (1) INTRODUCTION TO PLYWOOD PRODUCTS, (2) PURCHASING STUMPAGE, (3) MARKETING FOREST PRODUCTS, (4) EQUIPMENT FOR PULPWOOD PRODUCTION, (5) LABOR FOR

PULPWOOD PRODUCTION, (6) FINANCING A PULPWOOD PRODUCER, (7) ESTABLISHING AND MAINTAINING GOOD HUMAN RELATIONS IN LABOR MANAGEMENT, AND (8) SAFETY. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING AND SPECIAL INSTRUCTION IN FORESTRY MAY USE THIS MATERIAL WITH JUNIOR AND SENIOR BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. A BIBLIOGRAPHY IS INCLUDED. (WB)

VT 005 494
AGRICULTURAL RESOURCES (CONSERVATION-UTILIZATION-SERVICES), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 20P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *NATURAL RESOURCES; GRADE 12; GRADE 11; CONSERVATION EDUCATION
IDENTIFIERS - ALABAMA; SOUTHEASTERN UNITED STATES

ABSTRACT - STUDY QUESTIONS, LEARNING ACTIVITIES, AND REFERENCES CONCERNED WITH PRINCIPLES AND PRACTICES IN THE CONSERVATION, UTILIZATION, AND SERVICE OF AGRICULTURAL RESOURCES ARE PRESENTED FOR INDIVIDUALIZED USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. IT WAS DESIGNED BY A DISTRICT SUPERVISOR WITH THE ASSISTANCE OF A SUBJECT-MATTER SPECIALIST AND TEACHER EDUCATOR. MAJOR UNITS ARE (1) CAREER OPPORTUNITIES IN AGRICULTURAL RESOURCES, (2) SOIL CONSERVATION AND UTILIZATION, (3) RECREATION, DEVELOPMENT, AND MANAGEMENT, (4) WILDLIFE CONSERVATION AND UTILIZATION, (5) WATER CONSERVATION AND UTILIZATION, (6) AIR CONSERVATION, AND (7) FISH, INCLUDING FARMS AND HATCHERIES. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL TEACHER. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY USE THIS MATERIAL WITH JUNIOR AND SENIOR BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. SOME EMPLOYMENT OPPORTUNITIES ARE LISTED. (WB)

VT 005 495
AGRICULTURAL RESOURCES (CONSERVATION-UTILIZATION-SERVICES), COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 18P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *NATURAL RESOURCES; SOIL CONSERVATION; WILDLIFE MANAGEMENT; WATER RESOURCES; GRADE 12; GRADE 11; BIBLIOGRAPHIES; CONSERVATION EDUCATION

ABSTRACT - INFORMATION AND LEARNING ACTIVITIES RELATED TO THE PRINCIPLES AND PROCESSES INVOLVED IN CONSERVING AND IMPROVING AGRICULTURAL RESOURCES ARE PRESENTED IN THIS COURSE OUTLINE FOR USE BY VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. IT WAS DEVELOPED BY A DISTRICT SUPERVISOR WITH THE ASSISTANCE OF A SUBJECT-MATTER SPECIALIST AND A TEACHER EDUCATOR. THE UNITS ARE (1) OCCUPATIONAL OPPORTUNITIES IN AGRICULTURAL RESOURCES, (2) LEADERSHIP, (3) SUPERVISED PRACTICE AND WORK EXPERIENCE PROGRAMS, (4) SOIL CONSERVATION AND UTILIZATION, (5) FOREST CONSERVATION AND UTILIZATION, (6) RECREATION DEVELOPMENT AND MANAGEMENT, (7) WILDLIFE CONSERVATION AND UTILIZATION, (8) WATER CONSERVATION AND UTILIZATION, (9) AIR CONSERVATION, (10) FISH, INCLUDING FARMS AND HATCHERIES, AND (11) AGRICULTURAL SHOP. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY USE THIS MATERIAL WITH JUNIOR AND SENIOR BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. A BIBLIOGRAPHY IS INCLUDED. (WB)

VT 005 496
AGRICULTURAL MECHANICS (REPAIR-OPERATION-SERVICES), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 46P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL MACHINERY; *AGRICULTURAL ENGINEERING; GRADE 11; GRADE 12

ABSTRACT - STUDY QUESTIONS AND LEARNING ACTIVITIES CONCERNED WITH REPAIR, OPERATION, AND SERVICING OF FARM MACHINERY, RELATED EQUIPMENT, STRUCTURES, AND CONVENIENCES ARE PRESENTED FOR INDIVIDUALIZED USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS. THE GUIDE WAS DESIGNED BY A DISTRICT SUPERVISOR WITH THE ASSISTANCE OF A SUBJECT-MATTER SPECIALIST AND TEACHER EDUCATOR. MAJOR UNIT OUTLINES INCLUDED ARE CAREER OPPORTUNITIES IN AGRICULTURAL MECHANICS, OXYACETYLENE WELDING, FARM PLUMBING, FARM BUILDING AND CONSTRUCTION, ELECTRIC MOTORS, PAINTING AND WOOD PRESERVATION, FARM WATER SYSTEMS, OPERATING PROCEDURES OF AN AGRICULTURAL MACHINERY PARTS DEPARTMENT, AGRICULTURAL SALESMANSHIP, ARC WELDING, HYDRAULIC POWER TRANSFER SYSTEMS, TRACTOR TUNEUP AND MAINTENANCE, DIESEL ENGINE SYSTEMS, AND SELECTION OF MACHINERY. EACH CONTAINS QUESTIONS, SUGGESTED LEARNING ACTIVITIES, AND REFERENCES. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING AND SPECIAL SHOP INSTRUCTORS MAY USE THIS MATERIAL WITH JUNIOR AND SENIOR BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. CAREER OPPORTUNITIES IN AGRICULTURAL MECHANICS ARE LISTED. (WB)

VT 005 497
AGRICULTURAL MECHANICS (REPAIR-OPERATION-SERVICES), COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 64 28P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY

OCCUPATIONS; *AGRICULTURAL ENGINEERING; GRADE 11; GRADE 12; BIBLIOGRAPHIES

ABSTRACT - INFORMATION AND LEARNING ACTIVITIES CONCERNED WITH OPERATING, MARKETING, AND SERVICING AGRICULTURAL POWER MACHINERY AND RELATED EQUIPMENT IS PRESENTED FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS IN PREPARING EMPLOYEES FOR THE AGRICULTURAL MECHANICS FIELD. IT WAS PREPARED BY A VOCATIONAL AGRICULTURE DISTRICT SUPERVISOR WITH THE ASSISTANCE OF A SUBJECT-MATTER SPECIALIST AND A TEACHER EDUCATOR. REPRESENTATIVE OF 23 UNIT OUTLINES ARE (1) CAREER OPPORTUNITIES IN AGRICULTURAL MECHANICS, (2) LEADERSHIP, (3) SUPERVISED PRACTICE AND WORK EXPERIENCE PROGRAMS, (4) FARM PLUMBING, (5) FARM BUILDING AND CONSTRUCTION, (6) ELECTRIC MOTORS, (7) FARM WATER SYSTEMS, (8) ORGANIZATION AND MANAGEMENT OF AGRICULTURAL MACHINERY DEALERSHIPS, (9) MECHANICAL SYSTEMS OF POWER TRANSMISSION, AND (10) TRACTOR TUNE-UP AND MAINTENANCE. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL TEACHER. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING AND SPECIAL SHOP INSTRUCTORS MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE. SOURCES OF SUGGESTED INSTRUCTIONAL MATERIALS AND REFERENCES ARE INCLUDED. (WB)

VT 005 498

AGRICULTURAL PRODUCTION (ANIMAL SCIENCE-PLANT SCIENCE-MECHANICS-MANAGEMENT), COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - 61 43P.

DESCRIPTORS - *CURRICULUM GUIDES; TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; GRADE 11; GRADE 12

ABSTRACT - INFORMATION AND LEARNING ACTIVITIES CONCERNED WITH PRINCIPLES AND PRACTICES IN AGRICULTURAL PRODUCTION ARE PRESENTED FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS IN PREPARING COMMERCIAL AND PART-TIME FARMERS. THE OUTLINE WAS DEVELOPED BY A LIVESTOCK AND FARM MANAGEMENT SPECIALIST, A SUBJECT MATTER SPECIALIST, AND A TEACHER EDUCATOR. THE UNITS ARE (1) SOME EMPLOYMENT OPPORTUNITIES IN AGRICULTURAL PRODUCTION, (2) LEADERSHIP, (3) SUPERVISED PRACTICES AND WORK EXPERIENCE PROGRAMS, (4) ANIMAL SCIENCE, (5) PLANT SCIENCE, AND (6) AGRICULTURAL MECHANICS. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTORS. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE AND HAVE OCCUPATIONAL OBJECTIVES IN PRODUCTION AGRICULTURE. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIAL IS INCLUDED. A STUDENT STUDY GUIDE IS AVAILABLE AS VT 005 499. (WB)

VT 005 499

AGRICULTURAL PRODUCTION (ANIMAL SCIENCE-PLANT SCIENCE-MECHANICS-MANAGEMENT), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - 61 38P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; GRADE 11; GRADE 12

ABSTRACT - STUDY QUESTIONS, SUGGESTED LEARNING ACTIVITIES, AND REFERENCES CONCERNED WITH AGRICULTURAL PRODUCTION ARE PRESENTED FOR INDIVIDUALIZED USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS PREPARING FOR FARMING EMPLOYMENT. THE MATERIAL WAS DEVELOPED BY A SUBJECT-MATTER SPECIALIST, A LIVESTOCK AND FARM MANAGEMENT SPECIALIST, AND A TEACHER EDUCATOR. THE UNITS ARE (1) EMPLOYMENT OPPORTUNITIES IN AGRICULTURAL PRODUCTION, (2) ANIMAL SCIENCE, (3) PRODUCTION MANAGEMENT IN LIVESTOCK, (4) PLANT SCIENCE, AND (5) FARM BUSINESS MANAGEMENT. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE AND HAVE OCCUPATIONAL OBJECTIVES IN PRODUCTION FARMING. SOME EMPLOYMENT OPPORTUNITIES IN AGRICULTURAL PRODUCTION ARE INCLUDED. A COURSE OUTLINE IS AVAILABLE AS VT 005 498. (WB)

VT 005 500

AGRICULTURAL SUPPLIES (PROCESSING-MARKETING-SERVICES), STUDENT STUDY GUIDE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 23P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; *AGRICULTURAL SUPPLIES; GRADE 11; GRADE 12

ABSTRACT - QUESTIONS, SUGGESTED LEARNING ACTIVITIES, AND REFERENCES CONCERNED WITH PRINCIPLES AND PRACTICES INVOLVED IN PROCESSING, MARKETING, AND SERVICING AGRICULTURAL SUPPLIES ARE PRESENTED FOR INDIVIDUALIZED USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS. THE MATERIAL WAS DEVELOPED BY AN AGRIBUSINESS AND CONTINUING EDUCATION SPECIALIST WITH ASSISTANCE FROM A SUBJECT-MATTER SPECIALIST AND A TEACHER EDUCATOR. THE UNITS ARE (1) CAREER OPPORTUNITIES IN AGRICULTURAL SUPPLIES, SALES, AND SERVICES, (2) RELATIONS BETWEEN PERSONS ENGAGED IN AGRICULTURAL SALES AND SERVICES, (3) AGRICULTURAL SALESMANSHIP, (4) ORGANIZATION AND FUNCTIONS OF AGRICULTURAL BUSINESSES, (5) AGRICULTURAL BUSINESS PROCEDURE, (6) FEEDS--SALES AND SERVICE, (7) CROP, LAWN, AND GARDEN SEEDS--SALES AND SERVICE, (8) FERTILIZERS--SALES AND SERVICE, (9) AGRICULTURAL CHEMICALS, AND (10) MISCELLANEOUS AGRICULTURAL SUPPLIES AND SMALL EQUIPMENT--SALES AND SERVICE. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH A GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY

USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE AND HAVE OCCUPATIONAL OBJECTIVES IN AGRICULTURAL SUPPLIES. A LIST OF POSSIBLE EMPLOYMENT OPPORTUNITIES IN AGRICULTURAL SUPPLIES IS INCLUDED. A COURSE OUTLINE IS AVAILABLE AS VT 005 501. (WB)

VT 005 501
AGRICULTURAL SUPPLIES (PROCESSING-MARKETING-SERVICES), COURSE OUTLINE .

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE
PUB DATE - 66 18P.

DESCRIPTORS - *CURRICULUM GUIDES; TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; *AGRICULTURAL SUPPLIES; GRADE 11; GRADE 12

ABSTRACT - INFORMATION TO ACQUAINT STUDENTS WITH PRINCIPLES AND PRACTICES INVOLVED IN PROCESSING, MARKETING, AND SERVICING AGRICULTURAL SUPPLIES IS PRESENTED FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS. IT WAS DEVELOPED BY AN AGRIBUSINESS AND CONTINUING EDUCATION SPECIALIST WITH ASSISTANCE FROM A SUBJECT MATTER SPECIALIST AND A TEACHER EDUCATOR. THE 16 UNITS, RELATED TO APPROPRIATE REFERENCES, INCLUDE (1) CAREER OPPORTUNITIES IN AGRICULTURAL SALES AND SERVICES, (2) LEADERSHIP, (3) SUPERVISED PRACTICE AND WORK EXPERIENCE PROGRAMS, (4) FARM AND HOME ELECTRIFICATION, (5) AGRICULTURAL SALESMANSHIP, (6) AGRICULTURAL BUSINESS PROCEDURES, (7) FEEDS, SALES, AND SERVICE, (8) FERTILIZERS, SALES AND SERVICE, AND (9) AGRICULTURAL CHEMICALS, SALES AND SERVICES. THE TIME ALLOTMENT IS TO BE DETERMINED BY THE LOCAL INSTRUCTOR. TEACHERS WITH GENERAL VOCATIONAL AGRICULTURE COLLEGE TRAINING MAY USE THIS MATERIAL WITH 11TH AND 12TH GRADE BOYS WHO HAVE COMPLETED 2 YEARS OF VOCATIONAL AGRICULTURE AND HAVE OCCUPATIONAL OBJECTIVES IN THE AREA OF AGRICULTURAL SUPPLIES. LISTS OF SUGGESTED REFERENCES, POSTERS, FILMSTRIPS, SLIDES, AND FILMS, AND OF EMPLOYMENT OPPORTUNITIES IN AGRICULTURAL SUPPLIES ARE INCLUDED. A STUDENT STUDY GUIDE IS AVAILABLE AS VT 005 500. (WB)

VT 005 526
RILEY, CLAYTON
THE BASIC STEPS IN SELLING: A PRACTICAL APPROACH TO RETAIL SELLING OF AGRICULTURAL SUPPLIES AND SERVICESI.NTEACHER EDUCATION RESEARCH SERIES VOLUME 8, NUMBER 3.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERISTY,NUNIVERSITY PARK, PENNSYLVANIA 16802 ($.50).
PUB DATE - 67 28P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL EDUCATION; SALES OCCUPATIONS; *ADULT VOCATIONAL EDUCATION; *SALESMANSHIP; *AGRICULTURAL SUPPLY OCCUPATIONS

ABSTRACT - THIS TEACHING GUIDE IS FOR TEACHER AND STUDENT USE IN DEVELOPING A PRACTICAL APPROACH TO RETAIL SELLING OF AGRICULTURAL SUPPLIES AND SERVICES FOR ADULT LEARNERS IN THE FIELD OF OFF-FARM AGRICULTURAL OCCUPATIONS. IT WAS DEVELOPED BY A DISTRIBUTIVE EDUCATION TEACHER EDUCATOR AND TESTED IN ADULT CLASSES IN AGRICULTURAL SUPPLIES. THE CONTENT OBJECTIVES ARE TO PROVIDE THE BASIC METHODS OR STEPS INVOLVED IN A SALE THROUGH THE USE OF ROLE-PLAYING TECHNIQUES AND SELF-EVALUATION. UNITS ARE: (1) HOW TO APPROACH THE CUSTOMER, (2) HOW TO GAIN A CUSTOMER'S ATTENTION, (3) HOW TO GAIN A CUSTOMER'S INTEREST, (4) HOW TO DEVELOP THE CUSTOMER'S DESIRE FOR THE PRODUCT, (5) HOW TO OVERCOME CUSTOMER OBJECTIONS, (6) HOW TO CLOSE THE SALE, AND (7) SELF-EVALUATION. EACH UNIT CONTAINS TEACHER INFORMATION, SUGGESTIONS FOR CLASS PARTICIPATION, NEEDED TEACHER PREPARATION, AND QUESTIONS FOR DISCUSSION. (MM)

VT 005 546
DAIRY CATTLE FEEDINGI.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-1020A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.15).
PUB DATE - FEB68 12P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FEEDS; *CATTLE; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL IN FEEDING DAIRY CATTLE IS PRESENTED FOR USE BY STUDENTS IN HIGH SCHOOL, POST-HIGH SCHOOL, AND ADULT EDUCATION. IT WAS DEVELOPED BY AN INDIVIDUAL AUTHOR WITH ASSISTANCE FROM SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. MAJOR TOPICS COVERED ARE (1) NUTRIENTS IN DAIRY FEEDS, (2) ROUGHAGES FOR DAIRY COWS, (3) GRAINS AND SUPPLEMENTS FOR DAIRY COWS, (4) CHALLENGE FEEDING, AND (5) FEEDING HEIFERS. TEACHERS COMPETENT IN AGRICULTURE MAY USE THIS DOCUMENT FOR INSTRUCTING STUDENTS OF AVERAGE ABILITY WITH AN INTEREST AND OCCUPATIONAL GOAL IN DAIRYING OR RELATED OCCUPATIONS. THE SUGGESTED TIME ALLOTMENT IS 1-3 CLOCK HOURS. SKETCHES AND TABLES ILLUSTRATE THE TEXT. (DM)

VT 005 547
SOLDERING FOR HOME, FARM, AND SHOP APPLICATIONS .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-3027
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.30).
PUB DATE - FEB68 25P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *AGRICULTURAL EDUCATION; *SHEET METAL WORK; *SOLDERING; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - TEXTUAL AND REFERENCE MATERIAL IN SOLDERING FOR HIGH SCHOOL, POST-HIGH SCHOOL, AND ADULT STUDENTS IS PRESENTED. IT WAS DEVELOPED BY AN INDIVIDUAL AUTHOR WITH ASSISTANCE FROM SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS. TITLES OF MAJOR DIVISIONS ARE (1) SOLDERING AND OTHER METAL JOINING PROCESSES, (2) TIN-LEAD SOLDERS, (3) SOLDERING FLUX, (4) SOURCES OF HEAT FOR SOLDERING, (5) SOLDERING PROCEDURE, (6) MAINTAINING SOLDERING IRONS, (7) SILVER SOLDERING, (8) INSTALLING SWEAT-TYPE FITTINGS, (9) SOLDERING STAINLESS STEEL AND ALUMINUM, (10) SAFETY HAZARDS CONNECTED WITH SOLDERING, AND (11) SHOP AND LABORATORY APPLICATIONS. TEACHERS COMPETENT IN AGRICULTURE MAY USE THIS DOCUMENT WITH STUDENTS OF AVERAGE ABILITY WITH AN OCCUPATIONAL INTEREST IN PRODUCTION AGRICULTURE OR RELATED FIELDS. THE RECOMMENDED TIME ALLOTMENT IS 2-8 HOURS. THE DOCUMENT IS ILLUSTRATED WITH DRAWINGS, PHOTOGRAPHS, AND TABLES. (DM)

VT 005 580
BROWN, T.T.
HATCHING EGG PRODUCTION TECHNOLOGYL, TENTATIVE COURSE PLAN. ADULT FARMER EDUCATION, POULTRY PRODUCTIONNTECHNOLOGY SERIES.

NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF VOCATIONAL EDUCATION
PUB DATE - ND 24P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *AGRICULTURAL PRODUCTION; ADULT FARMER EDUCATION; *POULTRY

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS FOR TEACHER USE IN PLANNING AN ADULT FARMER EDUCATION PROGRAM IN POULTRY PRODUCTION, THIS COURSE IS DESIGNED TO AID HATCHING EGG PRODUCERS IN THE ECONOMICAL PRODUCTION OF EGGS WHICH WILL GIVE A HIGH-PERCENT HATCHABILITY OF STRONG CHICKS. THE COURSE INCLUDES: (1) OPPORTUNITIES FOR HATCHING EGG PRODUCTION, (2) SELECTION OF PREFERRED BREEDS AND STRAINS, (3) TRENDS IN HOUSING BREEDERS, FEEDING PRINCIPLES AND PRACTICES, (4) BROODING AND HOUSING EQUIPMENT, (5) BREEDING FLOCK MANAGEMENT, (6) CARE OF HATCHING EGGS, AND (7) PREVENTION AND CONTROL OF POULTRY DISEASES AND PARASITES. THIS 20-HOUR COURSE SHOULD BE TAUGHT BY TEACHERS OF AT LEAST TECHNICIAN LEVEL TO ADULT FARMERS OR OTHERS IN INDUSTRY NEEDING THIS TYPE TRAINING IN THE SOUTHEASTERN UNITED STATES. SUPPLEMENTARY MATERIALS INCLUDE A REFERENCE LIST AND A STUDENT SURVEY FORM DESIGNED TO POINT OUT ADJUSTMENTS WHICH SHOULD BE MADE IN MATERIAL AND METHODS. (DM)

VT 005 582
GENERAL POULTRY PRODUCTION TECHNOLOGY SHORT COURSEL, TENTATIVE COURSE OUTLINE.

NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH
PUB DATE - ND 17P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *AGRICULTURAL PRODUCTION; *POULTRY; ADULT FARMER EDUCATION

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS AND STAFF MEMBERS, THIS OUTLINE IS FOR USE IN DEVELOPING A COURSE TO RETRAIN AND UPGRADE POULTRY PRODUCERS THEREBY IMPROVING PRODUCER EFFICIENCY IN PRODUCTION OF MARKET EGGS, HATCHING EGGS, AND BROILERS. CONTENT INCLUDES: (1) SUGGESTIONS FOR COURSE ARRANGEMENT, (2) COMMERCIAL POULTRY PRODUCTION OPPORTUNITIES, (3) SELECTING A BREED, STRAIN, OR CROSS, (4) POULTRY HOUSING AND VENTILATION PROBLEMS, (5) POULTRY PRODUCTION EQUIPMENT, (6) INCUBATION, BROODING, AND REARING, (7) FEEDING PRINCIPLES AND PRACTICES, (8) LAYING AND BREEDING FLOCK MANAGEMENT, (9) PREPARATION FOR AND MARKETING POULTRY PRODUCTS, (10) DISEASE AND PARASITE PREVENTION AND CONTROL, AND (11) A REVIEW, SUMMARY AND EVALUATION. TEACHERS SHOULD BE OF TECHNICIAN LEVEL OR ABOVE. STUDENTS SHOULD BE ADULT POULTRY FARMERS OR OTHERS IN A RELATED INDUSTRY IN THE SOUTHEASTERN UNITED STATES. THE INSTRUCTOR MAY DETERMINE WHAT ADJUSTMENTS SHOULD BE MADE IN THE MATERIAL AND THE BEST LEVEL AND METHODS TO USE IN TEACHING BY USE OF THE STUDENT SURVEY CONTAINED IN THE GUIDE. CITED ARE 26 REFERENCE SOURCES. (DM)

VT 005 583
BROILER PRODUCTION TECHNOLOGY SHORT COURSE , TENTATIVE COURSE OUTLINE.

NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH
PUB DATE - ND 13P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; ADULT FARMER EDUCATION; *POULTRY; *AGRICULTURAL PRODUCTION

ABSTRACT - SUPERVISORS AND SPECIALISTS IN THE POULTRY FIELD DEVELOPED THIS OUTLINE OF A COURSE DESIGNED TO IMPROVE PRODUCER EFFICIENCY AND PRODUCT QUALITY IN COMMERCIAL BROILER PRODUCTION. CONTENT INCLUDES: (1) SUGGESTIONS FOR COURSE ARRANGEMENTS, (2) WHEN, WHERE, AND HOW THE BROILER INDUSTRY STARTED, (3) WHO SHOULD PRODUCE BROILERS, (4) SELECTING A BREED, STRAIN, OR CROSS, (5) HOUSING AND VENTILATION PROBLEMS, (6) BROODING EQUIPMENT, (7) FEEDING PRINCIPLES AND PRACTICES, (8) FINISHING AND MARKETING BROILERS, BROILER REPORTS, (9) BROILER PRODUCTION MANAGEMENT, AND (10) PREVENTION AND CONTROL OF DISEASES AND PARASITES. THIS MATERIAL IS RECOMMENDED FOR TEACHERS OF AT LEAST TECHNICIAN LEVEL FOR A 20-HOUR COURSE IN RETRAINING AND UPGRADING ADULT FARMERS IN THE SOUTHEASTERN UNITED STATES. SUPPLEMENTARY MATERIALS INCLUDE A REFERENCE LIST AND A STUDENT SURVEY FORM DESIGNED TO POINT OUT ADJUSTMENTS WHICH SHOULD BE MADE IN THE MATERIAL AND METHODS. (DM)

VT 005 584
F. E. (FARM EQUIPMENT) SALES DEVELOPMENT PROGRAM. TRAINEE'S MANUAL .

INTERNATIONAL HARVESTER CO., CHICAGO, ILL.
PUB DATE - ND 366P.

DESCRIPTORS - *TEXTBOOKS; *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL MACHINERY; FARM MECHANICS (OCCUPATION); SECONDARY GRADES; POST SECONDARY EDUCATION; ADULT VOCATIONAL EDUCATION; SALESMANSHIP

ABSTRACT - THIS MANUAL IS FOR TEACHER AND STUDENT USE IN AGRICULTURAL MACHINERY SALES DEVELOPMENT. THE MATERIAL IS SUITABLE FOR STUDENTS IN HIGH SCHOOL, POST-HIGH SCHOOL, OR ADULT COURSES. IT WAS DEVELOPED BY INTERNATIONAL HARVESTER COMPANY AS PART OF THEIR FUTURE EMPLOYEE TRAINING PROGRAM. CHAPTERS OF (1) ORIENTATION, (2) ACCOUNTING, (3) PARTS, (4) SERVICE, AND (5) RETAIL SALES ARE INCLUDED. UNITS WITHIN CHAPTER FOUR ON SERVICE CENTER MANAGEMENT ARE (1) PURPOSE, (2) PROFIT ANALYSIS, (3) MANAGEMENT CONTROL, (4) FLAT RATE, (5) MACHINE EARNINGS, (6) SCHEDULING WORK, (7) JOB TICKETS, (8) PARTS DEPARTMENT, (9) PREDELIVERY SERVICE, (10) PERSONNEL, (11) TRAINING, (12) SERVICE CENTER LAYOUT, (13) FOREMAN'S DESK, (14) WARRANTY, (15) INCENTIVE PLANS, AND (16) SELLING SERVICE. THIS MATERIAL MAY BE USED WITH STUDENTS INTERESTED IN A CAREER IN AN AGRICULTURAL MACHINERY OCCUPATION. THE DOCUMENT IS LOOSE LEAF AND CONTAINS NECESSARY FORMS FOR CLARIFYING THE MATERIAL. RECOMMENDATIONS FOR REFERENCE MATERIAL AND AUDIO-VISUAL AIDS ARE INCLUDED. (DM)

VT 005 586
CAREERS IN AGRICULTUREL (A GUIDE FOR TEACHERS OF VOCATIONAL AGRICULTURE), GRADE 9.

CONNECTICUT STATE DEPT. OF EDUCATION, HARTFORD
PUB DATE - ND 11P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; REFERENCE MATERIALS; *AGRICULTURAL OCCUPATIONS; GRADE 9; GRADE 10; UNITS OF STUDY (SUBJECT FIELDS); *CAREER OPPORTUNITIES; *ORIENTATION MATERIALS; BIBLIOGRAPHIES

ABSTRACT - INFORMATION IS PROVIDED ON AGRICULTURAL CAREERS FOR USE BY ADMINISTRATORS, GUIDANCE COUNSELORS, TEACHERS, PARENTS, AND PUPILS. CAREER OPPORTUNITIES ARE LISTED IN AGRICULTURAL PRODUCTION, SERVICES, AND BUSINESS AND INDUSTRY. CONTENT INCLUDES OBJECTIVES, A TEACHING PLAN, A PARTIAL LIST OF COMMON AGRICULTURAL CAREERS, AND SELECTED REFERENCES AND VISUAL AIDS. THE MATERIAL IS ADAPTED FOR 9TH AND 10TH GRADE STUDENTS IN THE NORTHEASTERN UNITED STATES. (DM)

VT 005 611
STEVENS, G.Z.; CURTIS, S.M.
AN ADAPTATION OF THE USDA SOIL CONSERVATION SERVICE, TECHNICAL GUIDEL. TEACHER EDUCATION RESEARCH SERIES,NVOLUME 8, NUMBER 1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
USDA SOIL CONSERVATION SERVICE, HARRISBURG, PA.
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. AGRICULTURAL EDUCATION SECTION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY,NUNIVERSITY PARK, PENNSYLVANIA 16802 ($1.50).
PUB DATE - 67 96P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; ADULT FARMER EDUCATION; *FARM MANAGEMENT; *SOIL CONSERVATION; *TEXTBOOKS; FARMERS; AGRICULTURAL PRODUCTION; SOIL SCIENCE; AGRONOMY
IDENTIFIERS - PENNSYLVANIA

ABSTRACT - AN ADAPTATION OF THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE TECHNICAL GUIDE BY TEACHER EDUCATORS THROUGH CONSULTATION WITH STATE SOIL CONSERVATION SERVICE AND AGRONOMY PERSONNEL, THIS STUDENT REFERENCE IS FOR USE BY ADULT FARMERS IN PENNSYLVANIA. THE CONTENT INCLUDES SECTIONS ON CLASSIFICATION AND DESCRIPTIONS OF SOILS, ESTIMATION OF CROP YIELDS FOR PENNSYLVANIA SOILS, AND COSTS AND RETURNS FOR CONSERVATION PLANNING IN PENNSYLVANIA. PHOTOGRAPHS, CHARTS, AND 32 TABLES ILLUSTRATE THE TEXT. STUDENTS SHOULD SUPPLEMENT THIS TEXT WITH THEIR HOME-FARM SOIL CAPABILITY MAP IN PLANNING THEIR AGRICULTURAL PRODUCTION. WORKSHEETS ARE INCLUDED TO ESTIMATE CONSERVATION COSTS AND RETURNS. (DM)

VT 005 624
RODEBERG, H.F., AND OTHERS
AGRICULTURAL MANAGEMENTL.

MONTANA STATE UNIV., BOZEMAN. AGRICULTURAL EDUCATION DEPT.
AGRICULTURAL EDUCATION DEPARTMENT, MONTANA STATE UNIVERSITY, BOZEMAN, MONTANA 59715 ($1.00).
PUB DATE - 67 65P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *FARM MANAGEMENT; *AGRICULTURAL PRODUCTION; GRADE 11; GRADE 12; UNITS OF STUDY (SUBJECT FIELDS); BIBLIOGRAPHIES; GLOSSARIES

ABSTRACT - DEVELOPED BY TEACHERS AND TEACHER EDUCATORS IN AGRICULTURAL EDUCATION, THIS 1-SEMESTER COURSE TEACHING GUIDE IS FOR USE WITH HIGH SCHOOL STUDENTS IN THE NORTHERN AND WESTERN STATES. THE CONTENT CONTAINS SECTIONS RELATING TO: (1) THE NEED OF AGRICULTURAL MANAGEMENT, (2) MANAGEMENT OCCUPATIONS, (3) AGRICULTURAL MANAGEMENT DECISIONS, (4) MANAGERIAL TOOLS, (5) DEPRECIATION, (6) TAXES AND TAXATION, (7) AGRICULTURAL PRODUCTS MARKETING, (8) AGRICULTURAL GOVERNMENT PROGRAMS, (9) INSURANCE AND SOCIAL SECURITY, AND (10) MANAGERIAL LAW. EACH UNIT CONTAINS OBJECTIVES, INTEREST APPROACH, CONTENT, SUGGESTED ACTIVITIES, AND REFERENCES. VOCATIONAL AGRICULTURE INSTRUCTORS MAY USE THIS MATERIAL WITH JUNIOR AND SENIOR STUDENTS. AN AGRICULTURAL MANAGEMENT OUTLINE, AVAILABLE FROM MONTANA STATE UNIVERSITY, IS DESIRABLE FOR USE WITH THIS DOCUMENT.

SUPPLEMENTARY MATERIALS INCLUDE AN 83-WORD GLOSSARY AND A BIBLIOGRAPHY. (DM)

VT 005 652
BALL, WILBUR P.
AGRICULTURAL ORIENTATIONAL, THIRD EDITION.

FRESNO STATE COLLEGE BOOKSTORE, FRESNO, CALIFORNIA 93726 ($2.95).
PUB DATE - MAY68 78P.

DESCRIPTORS - *TEXTBOOKS; *AGRICULTURAL EDUCATION; *AGRICULTURAL OCCUPATIONS; ORIENTATION MATERIALS; AGRICULTURAL COLLEGES; JUNIOR COLLEGES; SCHOOL ORIENTATION; *AGRICULTURE

ABSTRACT - A SURVEY OF AGRICULTURE AND ITS RELATED AGENCIES AND JOB OPPORTUNITIES IS PRESENTED FOR TEACHER AND STUDENT USE IN A BEGINNING AGRICULTURE COURSE IN 4-YEAR OR JUNIOR COLLEGES. IT WAS DEVELOPED BY AN AGRICULTURAL EDUCATION STAFF MEMBER. STUDENT OBJECTIVES OF THE COURSE ARE TO (1) BECOME ACQUAINTED WITH THE HISTORY OF THE SCHOOL OF AGRICULTURE AT FRESNO STATE COLLEGE, (2) BECOME ACQUAINTED WITH PERSONNEL SERVICES, (3) RECOGNIZE THE IMPORTANCE OF AGRICULTURE, (4) ACQUIRE A GREATER APPRECIATION OF AGRICULTURE AS A VOCATION OR AVOCATION, (5) GAIN A KNOWLEDGE OF FACTORS TO CONSIDER IN BECOMING ESTABLISHED IN AN AGRICULTURAL OCCUPATION, (6) BECOME FAMILIAR WITH EMPLOYMENT OPPORTUNITIES, AND (7) PLAN AN EDUCATIONAL PROGRAM. REFERENCES, COURSE REQUIREMENTS, METHOD OF EVALUATION, COURSE CONTENT, AND A CLASS SCHEDULE ARE INCLUDED. COURSE CONTENT COVERS (1) CAREER PLANNING, (2) STUDENT DIFFICULTIES, (3) STUDY PRACTICES, (4) TIME SCHEDULES, (5) A CHANGING AGRICULTURE, (6) CALIFORNIA AGRICULTURE, (7) AGRICULTURAL EXTENSION SERVICE, (8) LAND GRANT COLLEGES AND UNIVERSITIES, (9) THE UNITED STATES DEPARTMENT OF AGRICULTURE, (10) THE PEACE CORPS, AND (11) WORLD FOOD SUPPLY. THIS DOCUMENT MAY BE USED BY AGRICULTURAL COLLEGE TEACHERS WITH SOME BACKGROUND IN COUNSELING FOR A ONE-SEMESTER COURSE. A BIBLIOGRAPHY IS INCLUDED. (DM)

VT 005 731
PLANT SCIENCE , INCLUDING INSTRUCTION IN AGRICULTURAL MECHANICS, CAREERS, LEADERSHIP AND SUPERVISED OCCUPATIONAL EXPERIENCE.

MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. AGRICULTURAL EDUCATION SECTION
MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - ND 55P.

DESCRIPTORS - *CURRICULUM GUIDES; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL OCCUPATIONS; *PLANT SCIENCE; AGRICULTURAL ENGINEERING; LEADERSHIP; SUPERVISED FARM PRACTICE; GRADE 10; TRANSPARENCIES

ABSTRACT - DEVELOPED AND REVIEWED BY A COMMITTEE OF 16 TEACHERS AND THE STATE SUPERVISORY STAFF, THIS CURRICULUM GUIDE IS FOR VOCATIONAL AGRICULTURE TEACHER USE WITH 10TH GRADE STUDENTS INTERESTED IN AGRICULTURAL OCCUPATIONS. SOME OBJECTIVES FOR THIS 1-YEAR COURSE IN PLANT SCIENCE ARE: (1) TO DEVELOP SKILLS NEEDED IN AGRICULTURAL OCCUPATIONS, (2) TO DEVELOP AN APPRECIATION FOR THE SCOPE AND IMPORTANCE OF THE PLANT SCIENCE INDUSTRY, (3) TO UNDERSTAND BASIC PRINCIPLES OF SOIL SCIENCE, CROP PRODUCTION, AND MARKETING, (4) TO DEVELOP FUNDAMENTAL KNOWLEDGE AND SKILLS IN AGRICULTURAL MECHANICS, (5) TO DISCOVER CAREER OPPORTUNITIES IN AGRICULTURE, (6) TO DEVELOP SOME OF THE HUMAN RELATIONS AND RELATED SKILLS NECESSARY FOR JOB SUCCESS, (7) TO DEVELOP LEADERSHIP, AND (8) TO APPLY CLASSROOM LEARNING. CONTENT INCLUDES SECTIONS ON CAREERS, LEADERSHIP, SUPERVISED OCCUPATIONAL EXPERIENCE, PLANT SCIENCE, AND AGRICULTURAL MECHANICS. EACH UNIT HAS TEACHING OBJECTIVES, A REFERENCE LIST, MOTIVATION SUGGESTIONS, AN OUTLINE, THE RECOMMENDED PROCEDURE, AND A SUMMARY. SUPPLEMENTARY MATERIALS INCLUDE 10 PAGES OF STUDENT HANDOUTS, SIX SHOP PLANS, AND 82 PAGES FOR TRANSPARENCIES. (DM)

VT 005 831
PARTICIPATING EXPERIENCES FOR PROSPECTIVE TEACHERS OF VOCATIONAL AGRICULTURE.

IOWA STATE UNIV., AMES. DEPT. OF EDUCATION
PUB DATE - 65 27P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; PRESERVICE EDUCATION; VOCATIONAL AGRICULTURE TEACHERS; COOPERATING TEACHERS
IDENTIFIERS - IOWA

ABSTRACT - THIS LIST OF PARTICIPATING EXPERIENCES FOR PROSPECTIVE TEACHERS OF VOCATIONAL AGRICULTURE CONTAINS: (1) OBJECTIVES OF SUPERVISED TEACHING, (2) RECOMMENDED SUPERVISION PROCEDURES, (3) INFORMATION THE SUPERVISING TEACHER NEEDS REGARDING THE TRAINEE, (4) INFORMATION THE STUDENT TEACHER NEEDS REGARDING THE SCHOOL AND COMMUNITY, (5) ESTABLISHING COMMUNITY RELATIONSHIPS, (6) PLANNING DEPARTMENT PROGRAM, (7) SELECTING STUDENTS, (8) ORGANIZING AND MAINTAINING PHYSICAL FACILITIES, (10) TEACHING AND SUPERVISING FARMING AND EMPLOYMENT TRAINING PROGRAMS OF DAY CLASS STUDENTS, (11) TEACHING YOUNG AND ADULT FARMER CLASSES, (12) ADVISING AN FFA CHAPTER, (13) DEVELOPING A DEPARTMENTAL GUIDANCE PROGRAM, (14) PARTICIPATING IN OTHER SCHOOL ACTIVITIES, (15) KEEPING RECORDS AND MAKING REPORTS, (16) DEVELOPING, PROMOTING AND PUBLICIZING THE PROGRAM, (17) EVALUATING THE EFFECTIVENESS OF THE PROGRAM, (18) ADMINISTERING THE LOCAL DEPARTMENT, AND (19) IMPROVING PROFESSIONALLY. THE DOCUMENT IS MIMEOGRAPHED AND CONTAINS FIVE MISCELLANEOUS EVALUATION REPORT FORMS. (DM)

VT 005 847
TRACTOR TRANSMISSIONSL.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
FARM AND INDUSTRIAL EQUIPMENT INST., CHICAGO,

ILL.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($1.10).
PUB DATE - ND 30P.

DESCRIPTORS - *REFERENCE MATERIALS; AGRICULTURAL EDUCATION; *FARM MECHANICS (OCCUPATION); *TRACTORS; *TRANSMISSIONS; TEXTBOOKS; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; UNITS OF STUDY (SUBJECT FIELDS); AGRICULTURAL MACHINERY; AGRICULTURAL ENGINEERING

ABSTRACT - DEVELOPED BY THE FARM MACHINERY INDUSTRY FOR TRAINING OF THEIR SERVICE PERSONNEL, THIS DOCUMENT IS RECOMMENDED FOR TEACHER AND STUDENT USE AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL MACHINERY OCCUPATIONS. THE CONTENT COVERS TRANSMISSION HISTORY, GEARS AND BEARINGS IN TRANSMISSIONS, SLIDING-GEAR TRANSMISSIONS, AND PLANETARY GEARING. THE TEACHER SHOULD BE A 4-YEAR COLLEGE GRADUATE WITH A MAJOR IN EDUCATION. THE DOCUMENT CONTAINS 24 COLORFUL ILLUSTRATIONS AND A GLOSSARY OF 29 TERMS. (DM)

VT 005 848
BALL AND ROLLER BEARINGSL.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
FARM AND INDUSTRIAL EQUIPMENT INST., CHICAGO, ILL.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($.50).
PUB DATE - ND 30P.

DESCRIPTORS - TEXTBOOKS; *REFERENCE MATERIALS; *AGRICULTURAL EDUCATION; *FARM MECHANICS (OCCUPATION); *AGRICULTURAL MACHINERY; *BEARINGS; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; UNITS OF STUDY (SUBJECT FIELDS); AGRICULTURAL ENGINEERING

ABSTRACT - TEACHERS AND STUDENTS MAY USE THIS REFERENCE AS PART OF AN AGRICULTURAL MACHINERY OPERATIONS AND MAINTENANCE COURSE. IT WAS DEVELOPED BY TRACTOR INDUSTRY SPECIALISTS TO TRAIN THEIR SERVICE PERSONNEL. THE DOCUMENT CONTAINS UNITS ON: (1) BEARING NOMENCLATURE, (2) BEARING USES, (3) BEARING CAPACITIES, (4) SHOP AREA WORKING CONDITIONS, (5) REMOVAL, (6) CLEANING AND INSPECTION, (7) REPLACEMENT, (8) LUBRICATION, (9) INSTALLATION, (10) FAILURES DUE TO IMPROPER SERVICING, (11) INSTALLATION RUNNING INSPECTION, AND (12) BEARING ADJUSTMENT THEORY. THE TEACHER SHOULD BE A COLLEGE GRADUATE IN EDUCATION. SUPPLEMENTARY MATERIALS INCLUDE A GLOSSARY AND 82 LINE DRAWINGS AND PHOTOGRAPHS. (DM)

VT 005 849
TRACTOR HYDRAULICSL.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
FARM AND INDUSTRIAL EQUIPMENT INST., CHICAGO, ILL.
COORDINATOR'S OFFICE, AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, NAGRICULTURAL ENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($1.85).
PUB DATE - 65 49P.

DESCRIPTORS - TEXTBOOKS; *REFERENCE BOOKS; AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; *FARM MECHANICS (OCCUPATION); HIGH SCHOOLS; POST SECONDARY EDUCATION; *HYDRAULICS; *TRACTORS

ABSTRACT - TEACHERS AND STUDENTS MAY USE THIS REFERENCE AS PART OF AN AGRICULTURAL MACHINERY OPERATION AND MAINTENANCE COURSE. IT WAS DEVELOPED BY TRACTOR INDUSTRY SPECIALISTS TO TRAIN THEIR SERVICE PERSONNEL. THE DOCUMENT PROVIDES AN UNDERSTANDING OF HOW AND WHY HYDRAULIC PRINCIPLES IMPROVE AGRICULTURAL MACHINERY EFFICIENCY. CONTENT INCLUDES (1) DEFINITION AND THEORY, (2) SYSTEM DESIGN AND COMPONENT PARTS, (3) ACCESSORIES, (4) PHENOMENA CAUSING BREAKDOWNS, (5) TYPES OF SYSTEMS, (6) MOTORS, (7) TRANSMISSIONS, (8) FLUIDS, AND (9) SYSTEM MAINTENANCE AND TROUBLE SHOOTING. THE TEACHER SHOULD BE A COLLEGE GRADUATE IN EDUCATION. FIFTY-SEVEN ILLUSTRATIONS SUPPLEMENT THE PRINTED TEXT. (DM)

VT 005 850
THE TRACTOR ELECTRICAL SYSTEML.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
FARM AND INDUSTRIAL EQUIPMENT INST., CHICAGO, ILL.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BLDG., ATHENS, GA. 30601 ($1.85).
PUB DATE - ND 62P.

DESCRIPTORS - *REFERENCE MATERIALS; *AGRICULTURAL EDUCATION; *TRACTORS; AGRICULTURAL MACHINERY; ELECTRICITY; TEXTBOOKS; *FARM MECHANICS (OCCUPATION); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; UNITS OF STUDY (SUBJECT FIELDS); AGRICULTURAL ENGINEERING; *ELECTRICAL SYSTEMS

ABSTRACT - TEACHERS AND STUDENTS MAY USE THIS REFERENCE AS PART OF AN AGRICULTURAL MACHINERY OPERATION AND MAINTENANCE COURSE. IT WAS DEVELOPED BY TRACTOR INDUSTRY SPECIALISTS TO TRAIN THEIR SERVICE PERSONNEL AND ADAPTED BY THE AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE FOR USE IN SCHOOLS. CONTENT INCLUDES (1) FUNDAMENTALS OF ELECTRICITY, (2) STORAGE BATTERIES, (3) CRANKING MOTOR CIRCUITS, (4) IGNITION CIRCUITS, (5) CHARGING CIRCUITS, AND (6) COMBINATION MOTORS AND GENERATORS. THIS MODULE SHOULD BE TAUGHT BY A COLLEGE GRADUATE IN EDUCATION WITH AN UNDERSTANDING OF FUNDAMENTAL PRINCIPLES RELATIVE TO APPLICATION OF ELECTRICITY TO TRACTORS AND FARM EQUIPMENT. THE TEXT IS SUPPLEMENTED WITH 105 ILLUSTRATIONS IN COLOR.

(DM)

VT 005 873
GREEN, H.W.
PLANT FOOD AND FERTILIZERSL (TEACHING UNIT).
VOCATIONAL AGRICULTURE SERIES.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY.
AGRICULTURAL EDUCATION SERVICE
PUB DATE - AUG66 96P.

DESCRIPTORS - *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FERTILIZERS; HIGH SCHOOLS; UNITS OF STUDY (SUBJECT FIELDS); *AGRONOMY
IDENTIFIERS - ALABAMA

ABSTRACT - DESIGNED BY A DISTRICT AGRICULTURAL EDUCATION SUPERVISOR, THIS REFERENCE IS RECOMMENDED FOR TEACHER AND STUDENT USE AS PART OF A UNIT IN SOIL FERTILITY. CONTENT INCLUDES DISCUSSION OF (1) NUTRIENT UPTAKE BY PLANTS, (2) FERTILIZER HISTORY AND IMPORTANCE, (3) ESSENTIAL PLANT NUTRIENTS, (4) HOW FERTILIZERS AFFECT SOILS AND PLANTS, (5) NITROGEN, PHOSPHATE, POTASSIUM, AND TRACE MINERAL FERTILIZERS, (6) BARNYARD MANURE, (7) FERTILIZER ECONOMICS, (8) FERTILIZER PROBLEMS, (9) SOIL TESTING, (10) FERTILIZER SELECTION, AND (11) FERTILIZER APPLICATION. THIS UNIT IS RECOMMENDED FOR HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL PRODUCTION AND SUPPLIES. A RELATED SECTION CONTAINS INFORMATION CONCERNING FERTILIZER UTILIZATION AS A METHOD OF MAXIMIZING PROFITS FROM AVAILABLE CAPITAL AND STATISTICS OF FERTILIZER USE IN ALABAMA. (DM)

VT 005 940
RODEBERG, H.F., AND OTHERS
SOIL FERTILITY AND FERTILIZERS, RESOURCE UNITL.

MONTANA STATE UNIV., BOZEMAN. AGRICULTURAL EDUCATION DEPT.
AGRICULTURAL EDUCATION DEPARTMENT, MONTANA STATE UNIVERSITY, BOZEMAN, MONTANA 59715 ($1.50).
PUB DATE - 67 99P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; *FERTILIZERS; *AGRONOMY; GRADE 10; GRADE 11; HIGH SCHOOLS

ABSTRACT - DESIGNED BY VOCATIONAL AGRICULTURE TEACHERS AND TEACHER EDUCATORS FROM PRACTICAL MATERIAL CURRENTLY IN USE, THIS TEACHER'S GUIDE IS FOR USE WITH HIGH SCHOOL AND ADULT STUDENTS IN VOCATIONAL AGRICULTURE IN THE NORTHERN AND WESTERN STATES. THE CONTENT INCLUDES: (1) INTRODUCTION TO FERTILIZERS, (2) OCCUPATIONS IN FERTILIZERS, (3) NUTRIENT MATERIALS REQUIRED FOR PLANT GROWTH, (4) NUTRIENT REQUIREMENTS FOR MAXIMUM ECONOMIC YIELD, (5) FERTILIZER RECOMMENDATIONS, (6) SELECTION OF FERTILIZERS, (7) APPLICATION RATE OF FERTILIZERS, (8) APPLICATION OF FERTILIZERS, AND (9) STORAGE AND HANDLING OF FERTILIZERS. EACH UNIT CONTAINS OBJECTIVES, INTEREST APPROACH, CONTENT, SUGGESTED CLASS ACTIVITIES, EVALUATION, AND REFERENCES. VOCATIONAL AGRICULTURE TEACHERS MAY USE THIS ONE-SEMESTER COURSE WITH SOPHOMORE AND JUNIOR STUDENTS. A COURSE OUTLINE FORM, AVAILABLE FROM THE PUBLISHER, IS DESIRABLE FOR USE WITH THIS DOCUMENT. SUPPLEMENTARY TEACHING AIDS INCLUDE A GLOSSARY, SAMPLE TESTS, FERTILIZER DEMONSTRATIONS, TISSUE-TESTS, FIELD TRIALS AND EXPLORATORY PLOTS, PH TESTING, AND VISUAL AIDS. (DM)

VT 005 970
OFFICE PROCEDURES USED IN THE AGRICULTURAL SERVICES .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210 ($1.25).
PUB DATE - 67 72P.

DESCRIPTORS - *WORKBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; RECORDS (FORMS); *OFFICE PRACTICE; UNITS OF STUDY (SUBJECT FIELDS); GRADE 11; GRADE 12; OFF FARM AGRICULTURAL OCCUPATIONS

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH THE STATE SUPERVISORY STAFF AND TEACHERS OF VOCATIONAL AGRICULTURE, THIS TEACHER AND STUDENT REFERENCE IS FOR USE AS A PART OF AN AGRICULTURAL BUSINESS INSTRUCTIONAL UNIT. THIS MANUAL SHOULD BE STUDIED BY THE STUDENT ALONG WITH ACTUAL WORK EXPERIENCE SO THAT THE CLASSROOM MATERIAL CAN BE APPLIED TO OFFICE OPERATIONS ON THE JOB. THE CONTENT INCLUDES: (1) SALES TICKETS, (2) ACCOUNTS RECEIVABLE RECORDS, (3) PURCHASE ORDERS, (4) PERPETUAL INVENTORY, (5) SALES TAX, (6) DISCOUNTS, (7) DAILY CASH BALANCE, (8) MONTHLY BANK BALANCE, AND (9) GRAIN ACCOUNTS. REFERENCES ARE MADE TO SECTIONS IN THE STUDENT MANUAL FOR THE RELATED CLASS IN AGRICULTURAL OCCUPATIONS, WHICH IS AVAILABLE FROM THE SAME SOURCE. STUDENTS SHOULD BE OF GRADE 11 OR 12 FOR THIS 6-MONTH INDIVIDUALIZED COURSE. A TEST AND ANSWER BOOKLET DESCRIBED AS VT 005 971 MAY BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. (DM)

VT 006 164
CLARK, RAYMOND M., AND OTHERS
SOURCE UNITS IN ANIMAL SCIENCEL. AGRICULTURAL EDUCATION SOURCE UNITS, NO. 6: ANIMAL SCIENCE.

MICHIGAN STATE UNIV., EAST LANSING. BUREAU OF EDUCATIONAL SERVICES
PUB DATE - MAY68 72P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; UNITS OF STUDY (SUBJECT FIELDS); GRADE 9; GRADE 10

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS AND STATE SUPERVISORS AND REVIEWED BY A COMMITTEE OF VOCATIONAL AGRICULTURE TEACHERS, THIS TEACHER'S GUIDE IS FOR USE WITH HIGH SCHOOL STUDENTS AS PART OF AN AGRICULTURAL

OCCUPATIONS CLUSTER. UNITS ARE: (1) THE IMPORTANCE OF ANIMALS IN THE ECONOMY, (2) ANIMALS FOR MILK, EGGS, AND MEAT PRODUCTION, (3) MARKETING LIVESTOCK AND MEATS, MILK AND MILK PRODUCTS, AND EGGS, (4) ANIMAL NUTRITION, (5) ANIMAL HOUSING AND PRODUCTION EQUIPMENT, (6) ANIMAL BREEDING: PRODUCTION RECORDS, (7) ANIMAL SANITATION AND DISEASE CONTROL, (8) ANIMAL PARASITES AND THEIR CONTROL, (9) ANIMAL CARE AND MANAGEMENT, AND (10) CAREERS IN ANIMAL INDUSTRIES. EACH UNIT CONTAINS A SUBJECT MATTER OUTLINE, OBJECTIVES, PRINCIPLES, PROBLEMS AND QUESTIONS, AND SUGGESTED ACTIVITIES FOR STUDENTS. QUALIFIED TEACHERS OF VOCATIONAL AGRICULTURE MAY USE THIS MATERIAL WITH 9TH AND 10TH GRADE VOCATIONAL AGRICULTURE BOYS AND GIRLS. THE REFERENCE LIST INCLUDES 38 BOOKS, 128 BULLETINS, 17 MIMEOS, 10 VISUALS, AND 19 SOURCES FOR VISUALS. (DM)

VT 006 206 ED 025 608
TURNER, J. HOWARD
SMALL ENGINES CARE-OPERATION-MAINTENANCE AND REPAIRS. VOLUME I .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
COORDINATOR'S OFFICE, AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GA. 30601 ($5.30).
PUB DATE - JUN68 156P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *SMALL ENGINE MECHANICS; ENGINES; HIGH SCHOOLS; POST SECONDARY EDUCATION; REPAIR; MAINTENANCE; ILLUSTRATIONS; BIBLIOGRAPHIES; *TRADE AND INDUSTRIAL EDUCATION; *AGRICULTURAL ENGINEERING

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS AND AGRICULTURAL ENGINEERS AND TESTED BY VOCATIONAL AGRICULTURE TEACHERS, THIS REFERENCE IS FOR STUDENT AND TEACHER USE AS PART OF A COURSE ON SERVICING AND OPERATING AN ENGINE. CONTENT INCLUDES: (1) DISTINGUISHING FEATURES OF SMALL ENGINES, (2) HOW SMALL GASOLINE ENGINES WORK, (3) COMPARING 4-(STROKE)CYCLE AND 2-(STROKE)CYCLE ENGINES, (4) IMPORTANCE OF PROPER CARE AND OPERATION, (5) IDENTIFYING TYPES OF SMALL ENGINES, (6) CLEANING SMALL ENGINES, (7) SERVICING CARBURETOR AIR CLEANERS, (8) SERVICING FUEL STRAINERS, (9) SERVICING CRANKCASE BREATHERS (4-CYCLE ENGINES), (10) LUBRICATING SMALL ENGINES, (11) REFUELING SMALL ENGINES, (12) SERVICING SPARK PLUGS, (13) CHECKING AND ADJUSTMENT CARBURETORS, (14) CHECKING COMPRESSION, (15) CHECKING AND SERVICING BATTERIES, (16) STARTING ENGINES, (17) OPERATING ENGINES, AND (18) STORING ENGINES. TEACHERS SHOULD BE GRADUATES IN TEACHER EDUCATION AND STUDENTS SHOULD HAVE MECHANICAL AND SCIENCE INTERESTS AND BE OF AT LEAST HIGH SCHOOL AGE. SUPPLEMENTARY MATERIALS INCLUDE 168 COLORED ILLUSTRATIONS, A LIST OF REFERENCES AND AN OWNER'S ENGINE INFORMATION FORM. VOLUME II OF THIS SERIES CONTAINS INFORMATION CONCERNING MAJOR MAINTENANCE AND REPAIR OF SMALL ENGINES AND IS AVAILABLE AS VT 006 290. (DM)

VT 006 213 ED 022 914
ZIKMUND, DALE G.
HANDBOOK ON PLANNING AND CONDUCTING COOPERATIVE OCCUPATIONAL EDUCATION PROGRAMS IN OFF-FARM AGRICULTURALNOCCUPATIONS .

NEBRASKA AGRICULTURAL EXPERIMENT STATION, LINCOLN
NEBRASKA UNIV., LINCOLN. DEPT. OF AGRICULTURAL EDUCATION
NEBRASKA STATE DEPT. OF EDUCATION, LINCOLN. DIV. OF VOCATIONAL EDUCATION
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEC-5-95-020 08
BR-5-0069
DEPARTMENT OF INFORMATION, COLLEGE OF AGRICULTURE & HOME ECONOMICS, UNIVERSITY OF NEBRASKA, LINCOLN, NEBRASKA 68503 ($1.50).
PUB DATE - ND 178P.

DESCRIPTORS - *PROGRAM GUIDES; *PROGRAM PLANNING; *COOPERATIVE EDUCATION; *OFF FARM AGRICULTURAL OCCUPATIONS; *VOCATIONAL AGRICULTURE; CURRICULUM GUIDES; HIGH SCHOOLS; PROGRAM DESIGN; PROGRAM DEVELOPMENT

ABSTRACT - ORIENTATION OF VOCATIONAL TEACHERS TO THE FUNDAMENTAL CONCEPTS OF PLANNING AND CONDUCTING COOPERATIVE OCCUPATIONAL EXPERIENCE PROGRAMS IN OFF-FARM AGRICULTURE IS THE MAJOR OBJECTIVE OF THIS GUIDE. THE GUIDE SUGGESTS THAT TEACHERS ATTEND SPECIAL CLASSES OR WORKSHOPS AND CONSULT ADDITIONAL REFERENCES WHEN PLANNING AN OCCUPATIONAL EXPERIENCE PROGRAM. CONTENTS INCLUDE: (1) FORMULATING LOCAL POLICIES, (2) USING AN ADVISORY COMMITTEE, (3) CONDUCTING A COMMUNITY SURVEY, (4) PUBLIC RELATIONS ACTIVITIES, (5) SELECTING TRAINING STATIONS, (6) STUDENT SELECTION, (7) LEGAL REQUIREMENTS, (8) PLACEMENT OF STUDENTS, (9) COOPERATING WITH OTHERS, (10) DEVELOPING TRAINING PLANS, (11) DEVELOPING AGREEMENTS, (12) TEACHING RELATED INSTRUCTION, (13) PROGRAM COORDINATION, (14) STUDENT EVALUATION, (15) RECORDS, (16) STUDENT FOLLOW-UP, AND (17) PROGRAM EVALUATION. THE APPENDIX CONTAINS A POLICY STATEMENT, OCCUPATIONAL SURVEY FORM, COOPERATOR INTERVIEW FORM, STUDENT APPLICATION FORM, SELF-INTEREST TEST, STUDENT LEARNER CERTIFICATE INFORMATION, TRAINING AGREEMENT, EMPLOYER EVALUATION FORM, EMPLOYER STUDENT RATING FORM, OCCUPATIONS SURVEY, STUDENT INFORMATION FORM, TRAINING PLAN, TRAINING AGREEMENT, VISITATION RECORD, TEACHER EVALUATION FORM, METHOD FOR DETERMINING COMMUNITY VOCATIONAL NEEDS, AND A CHECK SHEET FACTORS TO BE CONSIDERED IN EVALUATION OF STUDENTS. SUPPLEMENTARY MATERIALS INCLUDE A REFERENCE LIST. (DM)

VT 006 240 ED 022 915
INNOVATIVE PROGRAMS IN AGRICULTURAL EDUCATION .

AMERICAN VOCATIONAL ASSOCIATION, WASHINGTON, D.C.
PUB DATE - 67 28P.

DESCRIPTORS - *EDUCATIONAL INNOVATION; *AGRICULTURAL EDUCATION; *PROGRAM DESCRIPTIONS; *DEVELOPMENTAL PROGRAMS; PILOT PROJECTS; *OFF FARM AGRICULTURAL OCCUPATIONS

ABSTRACT - DEVELOPMENTAL PROGRAMS RESULTING FROM THE INCREASED EMPHASIS ON OFF-FARM AGRICULTURAL OCCUPATIONS AND CONSIDERED INNOVATIVE BY STATE SUPERVISORS OF AGRICULTURAL EDUCATION ARE DESCRIBED: (1) 17 HIGH SCHOOL VOCATIONAL AGRICULTURE PROGRAMS IN HORTICULTURE, AGRICULTURAL MECHANICS, FORESTRY AND CONSERVATION, AGRICULTURE AND DISTRIBUTION, COOPERATIVE TRAINING IN AGRICULTURAL OCCUPATIONS, AND AREA VOCATIONAL HIGH SCHOOLS, (2) TWO HORTICULTURAL PROGRAMS FOR DISADVANTAGED YOUTH IN NEW YORK AND CALIFORNIA, (3) SEVEN POST-HIGH SCHOOL AND ADULT PROGRAMS, AND (4) THREE TEACHER EDUCATION PROGRAMS. THE APPENDIX CONTAINS INDIVIDUALS WHO MAY BE CONTACTED FOR ADDITIONAL INFORMATION. (DM)

VT 006 245
INSTRUCTIONAL GUIDE FOR FLORICULTURE. JUNIOR HIGH SCHOOL AGRICULTUREL. PUBLICATION NO. SC-635.

LOS ANGELES CITY SCHOOLS, CALIF. DIV. OF INSTRUCTIONAL PLANNING AND SERVICES
PUB DATE - 67 38P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *FLORICULTURE; *PLANT SCIENCE; *TEACHING GUIDES; *PREVOCATIONAL EDUCATION; JUNIOR HIGH SCHOOLS; AGRICULTURAL SAFETY

ABSTRACT - DESIGNED BY A SPECIALIST AFTER A SURVEY OF LOCAL NEEDS AND REFINED AFTER USE BY TEACHERS IN THE DISTRICT, THIS GUIDE FOR COURSE PLANNING IS FOR USE BY TEACHERS COMPETENT IN FLORISTRY WITH BOYS AND GIRLS OF EIGHTH OR NINTH GRADE INTERESTED IN FLORICULTURE. THE CONTENT INCLUDES: (1) FLOWER GARDEN PREPARATION AND PLANTING, (2) FLOWER GARDEN CARE AND MAINTENANCE, (3) PROPAGATION OF ORNAMENTAL PLANTS, (4) FLORISTRY, (5) GENERAL INFORMATION UNITS, AND (6) FLORICULTURE SAFETY. TWO COLUMNS ARE UTILIZED IN PRESENTING DESCRIPTIONS OF THE INSTRUCTIONAL PROGRAM. AREAS ARE PRESENTED IN SEQUENTIAL ORDER TO PROVIDE A QUICK OVERVIEW OF THE ENTIRE PROGRAM. A LIST OF REPRESENTATIVE REFERENCE MATERIALS AND A GLOSSARY IS INCLUDED. THE SUGGESTED TIME ALLOTMENT IS 160 HOURS FOR AN EXPLORATORY COURSE FOR A COMPREHENSIVE HIGH SCHOOL. SUPPLEMENTAL MEDIA IS DESIRABLE SUCH AS, "FLOWER ARRANGING BY TAT," FROM THE SUNSET BOOK LANE PUBLISHING COMPANY OR "FLOWER AND PLANT PRODUCTION BY TAT," FROM THE INTERSTATE PUBLISHING COMPANY. (DM)

VT 006 264
A GUIDE FOR PLANNING AND ORGANIZING OCCUPATIONAL PROGRAMS IN ORNAMENTAL HORTICULTURE .

NEW YORK STATE UNIV., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT
PUB DATE - 68 65P.

DESCRIPTORS - AMENTAL HORTICULTURE OCCUPATION; PROGRAM PLANNING; *ORNAMENTAL HORTICULTURE

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY TEACHER-EDUCATORS, SUPERVISORS, AND INDUSTRY REPRESENTATIVES, THIS GUIDE WAS DEVELOPED TO AID SCHOOL ADMINISTRATORS, OCCUPATIONAL EDUCATION DIRECTORS, INSTRUCTORS, AND OTHERS IN ESTABLISHING AND CONDUCTING ORNAMENTAL HORTICULTURE PROGRAMS. CONTENT INCLUDES: (1) IDENTIFYING AND SELECTING PUPILS, (2) OCCUPATIONS FOR WHICH THE PROGRAMS WILL PROVIDE PREPARATION, (3) COURSE ORGANIZATION OPTIONS, AND APPROVAL, (4) DEVELOPING THE COURSE OF STUDY, (5) A SUGGESTED COURSE OF STUDY, (6) PLANNING THE FACILITIES, AND (7) DEVELOPING LISTS OF NEEDED EQUIPMENT AND SUPPLIES. AREAS FOR WHICH SUGGESTED COURSE CONTENT IS INCLUDED ARE: HORTICULTURAL BUSINESS MANAGEMENT AND MARKETING, HORTICULTURAL MECHANICS, HORTICULTURAL SCIENCE, APPLIED PEST CONTROL SCIENCE, LANDSCAPE PLANNING, LANDSCAPE CONSTRUCTION AND MAINTENANCE, GREENHOUSE CROP PRODUCTION AND MANAGEMENT, FLORAL DESIGN AND FLOWER ARRANGEMENT, NURSERY PRODUCTION AND MANAGEMENT, AND TURF GROWING AND MAINTENANCE. SUPPLEMENTARY MATERIALS INCLUDE A LIST OF TEXTS AND REFERENCE BOOKS, PERIODICALS, PUBLICATIONS, AND AUDIO-VISUAL AIDS. (DM)

VT 006 280
FFA AT WORK FOR SAFETYL; A HANDBOOK FOR TEACHERS AND STUDENTS OF VOCATIONAL AGRICULTURE.

FUTURE FARMERS OF AMERICA, WASHINGTON, D.C.
PUB DATE - 67 24P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SAFETY; *SAFETY EDUCATION; GROUP ACTIVITIES; HIGH SCHOOLS; COMMUNITY PROGRAMS; YOUTH CLUBS; RESOURCE MATERIALS; *ACCIDENT PREVENTION
IDENTIFIERS - FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - ORGANIZATIONS PLANNING AND CONDUCTING CHAPTER SAFETY PROGRAMS MAY USE THIS HANDBOOK AS RESOURCE MATERIAL. FARM SAFETY IS TAUGHT SO STUDENTS MAY UNDERSTAND (1) THAT GOOD WORKMANSHIP REQUIRES OBSERVATION OF SAFETY RULES, (2) THE VALUE OF PRACTICING SAFETY AT ALL TIMES, (3) HOW TO PRACTICE SAFETY IN ALL AREAS OF LIFE, (4) HOW TO RECOGNIZE HAZARDS AND TO AVOID THOSE WHICH CANNOT BE ELIMINATED, AND (5) LIABILITY RESPONSIBILITIES IN CASE OF INJURY, LOSS OF PROPERTY, OR DEATH. CONTENT INCLUDES: (1) THE NEED FOR ACTION, (2) OBJECTIVES, (3) TEACHING TECHNIQUES, (4) TEACHING DUTIES AND RESPONSIBILITIES, (5) STEPS FOR AN ACTION PROGRAM, (6) PROGRAM PROMOTION, (7) SAFETY PRACTICES AND ACTIVITIES, (8) EFFECT ON THE FARM FAMILY AND COMMUNITY, (9) THE FFA FOUNDATION FARM SAFETY AWARD PROGRAM, (10) AN EVALUATION CHECK LIST, (11) SAFETY HELPS, AND (12) FILMS. SUGGESTED PRACTICES FOR SAFETY ACTIVITIES IN AREAS OF FARM TRACTORS AND MACHINERY, FARM SHOP, FARM HOME AND BUILDINGS, FARM FIRE PREVENTION, RURAL TRAFFIC AND TRANSPORTATION, AGRICULTURAL

CHEMICALS, ELECTRICITY, LIVESTOCK, AND RECREATION ARE INCLUDED. (DM)

VT 006 284
OFFICIAL MANUAL FOR FUTURE FARMERS OF AMERICAL, THE NATIONAL ORGANIZATION FOR STUDENTS OF VOCATIONAL AGRICULTURE.

FUTURE FARMERS OF AMERICA, WASHINGTON, D.C.
FUTURE FARMERS SUPPLY SERVICE, ALEXANDRIA, VIRGINIA 22306.
PUB DATE - JAN68 130P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDENT ORGANIZATIONS; YOUTH CLUBS; *MANUALS; PROGRAM DEVELOPMENT; ACTIVITIES
IDENTIFIERS - FUTURE FARMERS OF AMERICA

ABSTRACT - THIS REVISED OFFICIAL MANUAL WAS PREPARED TO ASSIST MEMBERS AND ADVISORS IN ORGANIZING AND CONDUCTING FUTURE FARMERS OF AMERICA (FFA) ORGANIZATIONS. SECTIONS IN THE MANUAL ARE CONCERNED WITH THE HISTORY OF THE F.F.A., ORGANIZATION OPERATION, LOCAL CHAPTER ORGANIZATION, THE CHAPTER WORK PROGRAM, CHAPTER MEETINGS, PARLIAMENTARY PROCEDURE, CHAPTER ACTIVITIES, CEREMONIES, BANQUETS, AND PUBLICITY. INFORMATION ABOUT THE FUTURE FARMERS SUPPLY SERVICE, THE "NATIONAL FUTURE FARMER" MAGAZINE, THE FFA CALENDAR, AND THE FFA FOUNDATION IS GIVEN. THE FFA'S NATIONAL CONSTITUTION AND BYLAWS, THE ESSENTIALS OF A GOOD CHAPTER, SUGGESTIONS FOR RADIO AND TELEVISION PROGRAMS, AMERICAN FLAG REGULATIONS, COLLEGIATE CHAPTER INFORMATION, LEGISLATION, POLICIES, AND CLUB SONGS ARE INCLUDED. (JM)

VT 006 290 ED 025 612
TURNER, J. HOWARD
SMALL ENGINES CARE, OPERATION, MAINTENANCE AND REPAIR. VOLUME II .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
COORDINATOR'S OFFICE, AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GA. 30601 ($7.75).
PUB DATE - JUN68 206P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; *TRADE AND INDUSTRIAL EDUCATION; *SMALL ENGINE MECHANICS; ENGINES; HIGH SCHOOLS; POST SECONDARY EDUCATION; MAINTENANCE; REPAIR; ILLUSTRATIONS; BIBLIOGRAPHIES; *AGRICULTURAL ENGINEERING

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS AND AGRICULTURAL ENGINEERS, THIS TEACHER AND STUDENT REFERENCE IS FOR USE IN A COURSE IN SMALL ENGINE OPERATION AND MAINTENANCE. CONTENT INCLUDES: (1) PRINCIPLES OF GOOD WORKMANSHIP, (2) REPAIRING STARTERS, (3) MAINTAINING AND REPAIRING IGNITION SYSTEMS, (4) REPAIRING FUEL SYSTEMS, (5) REPAIRING GOVERNORS, (6) REPAIRING VALVES, (7) REPAIRING CYLINDERS AND PISTON-AND-ROD ASSEMBLIES, (8) REPAIRING LUBRICATING MECHANISMS IN 4-CYCLE ENGINES, (9) REPAIRING CAMSHAFT ASSEMBLIES IN 4-CYCLE ENGINES, AND (10) REPAIRING CRANKSHAFT ASSEMBLIES. TEACHERS SHOULD BE GRADUATES IN TEACHER EDUCATION AND STUDENTS SHOULD BE OF AT LEAST HIGH SCHOOL AGE WITH AN INTEREST IN MECHANICS AND SCIENCE. SUPPLEMENTARY MATERIALS INCLUDE 328 COLORED ILLUSTRATIONS, AN OWNER'S ENGINE INFORMATION FORM AND A LIST OF REFERENCES. VOLUME I OF THIS SERIES CONTAINING SMALL ENGINE OPERATION AND SIMPLE MAINTENANCE JOBS IS AVAILABLE AS VT 006 206. (DM)

VT 006 342
CURTIS, SAMUEL M.; FRED, WILLIAM M.
MAKING MANAGEMENT DECISIONS USING FARM RECORDS ; A STUDENT HANDBOOK FOR ADULT FARMERS. TEACHER EDUCATION SERIES-8-NO.-4.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION.
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. BUREAU OF VOCATIONAL AND TECHNICAL EDUCATION
PENNSYLVANIA YOUNG FARMERS ASSOCIATION
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.00).
PUB DATE - 67 78P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *FARM ACCOUNTS; *ADULT FARMER EDUCATION; AGRICULTURAL PRODUCTION; DAIRYMEN; HIGH SCHOOLS; AREA VOCATIONAL SCHOOLS

ABSTRACT - DEVELOPED BY A TEACHER EDUCATOR AND FIELD TESTED IN 25 SCHOOLS, THIS STUDENT HANDBOOK IS FOR USE IN FARMER CLASSES IN DAIRY PRODUCING STATES. THE CONTENT INCLUDES PROBLEM AREAS OF: (1) THE DECISION MAKING PROCESS, (2) BUDGETARY ANALYSIS AND LINEAR PROGRAMMING, (3) MEASURING FARM BUSINESS EFFICIENCY, (4) HOW FARM INVENTORY IS VALUED, (5) HOW TO KEEP FINANCIAL RECORDS, AND (6) HOW TO KEEP PRODUCTION RECORDS. TEACHERS COMPETENT IN FARM MANAGEMENT MAY ALSO USE THIS 20-HOUR COURSE WITH HIGH SCHOOL STUDENTS. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS, CHARTS, TABLES, AND EXPLANATORY SKETCHES AND INCLUDES A REFERENCE LIST. (DM)

VT 006 400
WICKS, LYLE L.
PRINCIPLES OF AGRICULTURAL FINANCE, A MANUAL AND STUDY GUIDE FOR HIGH SCHOOL AGRICULTURE CLASSES AND OUT-OF-SCHOOL GROUPS .

FARM CREDIT BANKS, SPRINGFIELD, MASS.
PUB DATE - SEP67 73P.

DESCRIPTORS - *FARM MANAGEMENT; *CREDIT (FINANCE); YOUNG FARMER EDUCATION; VOCATIONAL SCHOOLS; FINANCIAL PROBLEMS; *AGRICULTURAL EDUCATION; *RESOURCE MATERIALS; *SUPPLEMENTARY TEXTBOOKS; MANUALS; SECONDARY EDUCATION

ABSTRACT - TESTED BY TWENTY TEACHERS AND REVISED PRIOR TO FINAL PUBLICATION, THIS STUDENT REFERENCE IS FOR USE WITH HIGH SCHOOL AND YOUNG FARMER GROUPS STUDYING PRODUCTION AGRICULTURE IN THE NORTHEASTERN STATES. IT CONTAINS SECTIONS ON: (1) HOW ARE

AGRICULTURAL ENTERPRISES FINANCED? (2) HOW DO SOURCES AND TYPES OF CREDIT DIFFER? (3) HOW ARE CREDIT COSTS DETERMINED? (4) WHAT LEGAL TERMS AND DOCUMENTS ARE USED IN AGRICULTURAL FINANCE? (5) PLANNING FOR REPAYMENT, (6) MAKING A LOAN, (7) USING COMMERCIAL BANKING SERVICES, AND (8) FINANCING AGRICULTURAL COOPERATIVES. TEACHERS SHOULD BE COMPETENT IN TEACHING AT THE SECONDARY LEVEL AND STUDENTS SHOULD BE OF THE 11TH OR 12TH GRADE OR OUT OF SCHOOL AND HAVE A SOUND KNOWLEDGE OF BASIC MATHEMATICAL SKILLS. THIS 20-HOUR COURSE WAS DEVELOPED FOR USE IN HIGH AND VOCATIONAL SCHOOLS. A SET OF 20 OVERHEAD PROJECTION MASTERS AND SOME SUGGESTIONS FOR TEACHERS ARE AVAILABLE AS SUPPLEMENTARY MATERIAL. ADDITIONAL INFORMATION IN THE DOCUMENT INCLUDES A GLOSSARY OF TERMS, A LIST OF SUPPLEMENTARY READING, AND A LIST OF SUGGESTED FILMS. (DM)

VT 006 502
CROPS, SOILS, AND FERTILIZERS RESOURCE MANUAL. IDAHO VO-ED-73.

IDAHO STATE BOARD FOR VOCATIONAL EDUCATION, BOISE
PUB DATE - NOV63 120P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; FARM MANAGEMENT; *AGRONOMY; PLANT SCIENCE; SOIL SCIENCE; FERTILIZERS; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); *STUDY GUIDES
IDENTIFIERS - IDAHO

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHERS, TEACHER EDUCATORS, AND STATE SUPERVISORS, THIS REFERENCE MANUAL IS FOR USE IN TEACHING A CROPS AND SOILS CLUSTER TO HIGH SCHOOL STUDENTS IN THE WESTERN UNITED STATES. THE CONTENT INCLUDES SECTIONS RELATING TO: (1) CROP PLANNING, (2) CULTURAL PRACTICES, (3) SOIL MANAGEMENT, (4) PLANT PATHOLOGY AND BACTERIOLOGY, (5) SOIL FERTILITY, (6) ENTOMOLOGY, (7) WATER UTILIZATION, AND (8) WOOD LOT AND RANGE MANAGEMENT. EACH SECTION CONTAINS SPECIFIED TEACHING UNITS, SUGGESTED ACTIVITIES, AND A LIST OF TEACHING AIDS. THE SUBJECT MATERIAL CONTAINS ILLUSTRATIONS AND IS SUITABLE FOR REPRODUCTION FOR USE BY STUDENTS. TEACHERS FOR THIS 104-HOUR COURSE SHOULD BE COLLEGE GRADUATES IN AGRICULTURE. (DM)

VT 006 577
HEMP, PAUL E.; BOBBITT, JOHN F.
FLOWERS AND GREENHOUSES : SOURCE MATERIALS FOR TEACHING HIGH SCHOOL STUDENTS.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION
DIVISION OF AGRICULTURAL EDUCATION,
UNIVERSITY OF ILLINOIS, 357 EDUCATION
BUILDING, URBANA, ILLINOIS 61803N($.35).
PUB DATE - JUN67 18P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *FLORICULTURE; HIGH SCHOOLS; BIBLIOGRAPHIES; COURSE ORGANIZATION

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS AND REVIEWED BY SUBJECT MATTER SPECIALISTS, THIS TEACHER'S GUIDE IS FOR USE IN A JUNIOR OR SENIOR HIGH SCHOOL CLASS IN ORNAMENTAL HORTICULTURE. CONTENT INCLUDES: LEARNING OBJECTIVES, SUGGESTIONS TO THE TEACHER AND AN INSTRUCTIONAL OUTLINE FOR PROBLEM AREAS OF (1) SOILS, (2) FLOWER SEED GERMINATION, (3) PLANTING AND TRANSPLANTING, (4) GREENHOUSES, (5) CHRYSANTHEMUMS, (6) GERANIUMS, (7) HOUSE PLANTS, (8) FLOWERING ANNUALS, (9) PLANT REGULATORS, AND (10) HOTBEDS AND COLDFRAMES. A TEACHING KIT ON "FLOWERS AND GREENHOUSES" IS AVAILABLE FROM THE PUBLISHER AND INCLUDES THE STUDENT REFERENCES NECESSARY TO TEACH THIS UNIT. A REFERENCE LIST IS INCLUDED. (DM)

VT 006 582
HENDERSON, G.E.; GILES, G. WALLACE
PLANNING MACHINERY PROTECTION .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GA. 30601 ($1.50).
PUB DATE - FEB68 45P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY; *FARM STRUCTURES; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR HIGH SCHOOL AND ADULT STUDENTS IN AGRICULTURAL MECHANICS. CONTENT INCLUDES: (1) EQUIPMENT DEPRECIATION CAUSES, (2) PROTECTIVE CARE PRINCIPLES, (3) PROTECTIVE MEASURES, (4) TYPES OF MACHINERY STORAGE, (5) LOCATION OF MACHINERY STORAGE, (6) SPACE REQUIREMENTS FOR EQUIPMENT, (7) BUILDING SIZE DETERMINATION, (8) LOCATING ENTRANCES, AND (9) ELECTRICAL INSTALLATIONS. TEACHER EDUCATION GRADUATES MAY USE THIS MATERIAL WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. SUPPLEMENTARY MATERIAL INCLUDES TABLES OF AVERAGE MACHINERY LIFE AND SPACE REQUIREMENTS FOR MACHINERY STORAGE, 35 COLOR ILLUSTRATIONS, AND A REFERENCE LIST. (DM)

VT 006 583
TURNER, J. HOWARD
SELECTING AND MAINTAINING FIELD MOWERS .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($3.50).
PUB DATE - MAY66 130P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; EQUIPMENT MAINTENANCE; HIGH SCHOOLS; *AGRICULTURAL MACHINERY; POST SECONDARY EDUCATION; *AGRICULTURAL

OCCUPATIONS; ILLUSTRATIONS

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR HIGH SCHOOL AND ADULT CLASSES IN AGRICULTURAL MECHANICS. PART I CONTAINS TIPS FOR SELECTING A MOWER BASED ON (1) CUTTING PRINCIPLES, (2) FORAGE CROPPING PRACTICES AND TIMELINESS, (3) TRACTOR AND MACHINERY PRESENTLY OWNED, (4) CARE AND MAINTENANCE REQUIRED, AND (5) COST. PART II CONTAINS ASPECTS OF MOWER MAINTENANCE INCLUDING: (1) CHECKING AND CONDITIONING THE KNIFE, (2) CHECKING AND CONDITIONING THE GUARDS, (3) MAINTAINING THE KNIFE MECHANISMS, (4) TYPES OF ROTARY MOWER KNIVES AND HOW THEY WORK, (5) TYPES OF DRIVE UNITS, (6) TYPES OF BEARINGS, (7) IMPORTANCE OF PROPER DRIVE MAINTENANCE, (8) MAINTAINING SPLINED COUPLINGS, (9) MAINTAINING POWER TAKE-OFF SHAFTS, (10) MAINTAINING DRIVE SHAFTS AND BEARINGS, (11) MAINTAINING SAFETY RELEASE MECHANISMS, (12) MAINTAINING V-BELTS AND PULLEYS, (13) MAINTAINING ROLLER CHAINS AND SPROCKETS, (14) MAINTAINING GEAR DRIVES, AND (15) MAINTAINING RECIPROCATING KNIFE DRIVES FOR CUTTER BAR MOWERS. GRADUATES IN TEACHER EDUCATION MAY USE THIS MATERIAL WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. SUPPLEMENTARY MATERIALS INCLUDE 225 COLORED ILLUSTRATIONS AND A REFERENCE LIST. (DM)

VT 006 584
HENDERSON, G.E.
MAINTAINING THE HOME LIGHTING AND WIRING SYSTEM .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING BUILDING, ATHENS, GA. 30601 ($1.75).
PUB DATE - MAY65 65P.

DESCRIPTORS - *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ELECTRICITY; FARM OCCUPATIONS; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; MAINTENANCE; LIGHTING; *ELECTRICAL SYSTEMS; ILLUSTRATIONS

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS DESIGNED FOR USE WITH HIGH SCHOOL AND ADULT CLASSES. PART I CONTAINS INFORMATION ON REPAIRING SERVICE CORDS UNDER HEADINGS OF: REPLACING AN ATTACHMENT PLUG, REPLACING A LAMP SOCKET, REPLACING A HEATER PLUG, AND REPLACING A SERVICE CORD. PART II CONTAINS INFORMATION ON MAINTAINING A PERMANENT WIRING SYSTEM UNDER HEADINGS OF : (1) REPLACING A FUSE OR RESETTING A CIRCUIT BREAKER, (2) REPLACING A SINGLE POLE SWITCH, (3) REPLACING A 3-WAY SWITCH, (4) REPLACING A 4-WAY SWITCH, (5) REPLACING A CONVENIENCE OUTLET, (6) REMOVING EXCESS SAG FROM WIRES BETWEEN BUILDINGS, (7) SPLICING A BROKEN WIRE BETWEEN BUILDINGS, (8) REPLACING LIGHTING FIXTURES, AND (9) MAINTAINING FLOURESCENT LIGHTING UNITS. THE TEACHER SHOULD BE A GRADUATE IN TEACHER EDUCATION AND STUDENTS SHOULD BE OF AVERAGE MECHANICAL APTITUDE. SUPPLEMENTARY MATERIAL INCLUDES 142 COLORED ILLUSTRATIONS. (DM)

VT 006 585
FORE, J.M.
TRACTOR OPERATION AND DAILY CARE .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($4.50).
PUB DATE - JUN67 125P.

DESCRIPTORS - *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *FARM OCCUPATIONS; *TRACTORS; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; UNITS OF STUDY (SUBJECT FIELDS); AGRICULTURAL ENGINEERING

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS RECOMMENDED FOR A HIGH SCHOOL AND ADULT CLASS FOR TRACTOR OPERATORS. CONTENT INCLUDES: (1) IMPORTANCE OF UNDERSTANDING PROPER OPERATION AND DAILY CARE, (2) DOING THE 10-HOUR SERVICE JOBS, (3) MAKING ADJUSTMENTS TO MEET OPERATING NEEDS, (4) STARTING THE TRACTOR ENGINE, (5) CONTROLLING TRACTOR MOVEMENT, (6) HITCHING TO TRACTOR-OPERATED EQUIPMENT, (7) OPERATING A TRACTOR UNDER FIELD CONDITIONS, (8) DOING THE ROUTINE OPERATIONAL JOBS, (9) OPERATING A TRACTOR UNDER HIGHWAY CONDITIONS, (10) UNHITCHING FARM EQUIPMENT, (11) STOPPING THE TRACTOR ENGINE, AND (12) REFUELING A FARM TRACTOR. GRADUATES IN TEACHER EDUCATION MAY USE THIS MATERIAL WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. SUPPLEMENTARY MATERIALS INCLUDE 206 COLORED ILLUSTRATIONS AND A LIST OF REFERENCES. (DM)

VT 006 586
HENDERSON, G.E
SELECTING AND STORING TRACTOR FUELS AND LUBRICANTS .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($1.50).
PUB DATE - MAY64 51P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *FUELS; *LUBRICANTS; *TRACTORS; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS RECOMMENDED FOR HIGH SCHOOL AND ADULT CLASSES AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL MACHINERY. CONTENT INCLUDES: SELECTION OF

FUELS FOR TRACTOR ENGINES, STORAGE OF TRACTOR FUELS, SELECTION OF TRACTOR LUBRICANTS, AND LUBRICANT STORAGE. GRADUATES IN TEACHER EDUCATION MAY USE THIS MATERIAL WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. THE FILMSTRIP "SELECTING AND STORING TRACTOR FUELS AND LUBRICANTS," AVAILABLE FROM THE PUBLISHER, IS RECOMMENDED FOR USE WITH THIS UNIT. SUPPLEMENTARY MATERIALS INCLUDE 45 COLOR ILLUSTRATIONS AND A REFERENCE LIST. (DM)

VT 006 587
HENDERSON, G.F.
TRACTOR MAINTENANCE , PRINCIPLES AND PROCEDURES.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($3.75).
PUB DATE - OCT64 136P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; REFERENCE BOOKS; *AGRICULTURAL ENGINEERING; HIGH SCHOOLS; *AGRICULTURAL OCCUPATIONS; POST SECONDARY EDUCATION; ILLUSTRATIONS; *TRACTORS; EQUIPMENT MAINTENANCE

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR HIGH SCHOOL AND ADULT CLASSES IN AGRICULTURAL MECHANICS. CONTENT INCLUDES A DESCRIPTION OF TRACTOR MAINTENANCE AND SERVICE NECESSARY AFTER 50, 100, 250, AND 500 HOURS OF OPERATION AND OF ANNUAL MAINTENANCE JOBS. SERVICE JOBS INCLUDE: (1) BATTERY MAINTENANCE, (2) ADJUSTING V-BELT TENSION, (3) AIR CLEANER SERVICING, (4) CHANGING CRANKCASE OIL AND REPLACING OIL FILTERS, (5) TIRE MAINTENANCE, (6) ADJUSTING VALVE CLEARANCE, (7) MAINTAINING SPARK PLUGS, (8) CARBURETOR ADJUSTMENT, (9) ADJUSTING BRAKES, (10) ADJUSTING THE CLUTCH, (11) DISTRIBUTOR SERVICING, (12) IGNITION TIMING, (13) STARTER AND GENERATOR MAINTENANCE, (14) SERVICING FUEL FILTERS, (15) SERVICING FRONT WHEEL BEARINGS, (16) COOLING SYSTEM MAINTENANCE, (17) SERVICING THE DRIVE MECHANISM, (18) ADJUSTING THE GOVERNOR, AND (19) PREPARATION FOR STORAGE. GRADUATES IN TEACHER EDUCATION MAY USE THIS COURSE WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. A FILMSTRIP BY THE PUBLISHER, "TRACTOR MAINTENANCE, PRINCIPLES, AND PROCEDURE," IS AVAILABLE FOR USE WITH THIS UNIT. SUPPLEMENTARY MATERIALS INCLUDE 184 COLORED ILLUSTRATIONS AND A REFERENCE LIST. (DM)

VT 006 588
BROWN, R.H.
FARM ELECTRIC MOTORS : SELECTION, PROTECTION, DRIVES.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURALNENGINEERING BUILDING, ATHENS, GEORGIA 30601 ($.85).
PUB DATE - FEB64 37P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ELECTRIC MOTORS; KINETICS; ILLUSTRATIONS; EQUIPMENT STANDARDS; *AGRICULTURAL OCCUPATIONS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR USE IN HIGH SCHOOL AND ADULT CLASSES. CONTENT INCLUDES: (1) SELECTION OF THE PROPER MOTOR SIZE AND TYPE, (2) TYPES OF BEARINGS, MOTOR ENCLOSURES, AND MOTOR MOUNTS, (3) PROVIDING FOR MOTOR PROTECTION, (4) TYPES OF DRIVES, (5) SIZES AND TYPES OF PULLEYS AND BELTS, AND (6) TYPES AND SIZES OF DIRECT CONNECTED DRIVES. GRADUATES IN TEACHER EDUCATION MAY USE THIS MATERIAL WITH STUDENTS OF AVERAGE MECHANICAL APTITUDE. A FILMSTRIP BY THE PUBLISHER, "FARM ELECTRIC MOTORS--SELECTION, PROTECTIONS, DRIVES," IS AVAILABLE FOR USE WITH THIS UNIT. SUPPLEMENTARY MATERIALS INCLUDE 41 COLORED ILLUSTRATIONS AND 29 TABLES TO USE IN ELECTRIC MOTOR SELECTION. (DM)

VT 006 599
HENDERSON, G.F.
PLANNING WATER SYSTEMS FOR FARM AND HOME .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE. AGRICULTURAL ENGINEERING BLDG., ATHENS, GA. 30601 ($2.90).
PUB DATE - MAY63 109P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; REFERENCE BOOKS; AGRICULTURAL ENGINEERING; *PLUMBING; *WATER SUPPLY; HIGH SCHOOLS; *AGRICULTURAL OCCUPATIONS; POST SECONDARY EDUCATION; ILLUSTRATIONS; EQUIPMENT STANDARDS; HEALTH NEEDS

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR HIGH SCHOOL AND ADULT CLASSES WITH GENERAL APPLICATION IN HOME ECONOMICS, AGRICULTURAL MECHANICS, AND HEALTH STUDIES. CONTENT INCLUDES: (1) WATER SYSTEM VALUE, (2) PLANNING A WATER SYSTEM, (3) DAILY WATER NEEDS, (4) SOURCES OF WATER, (5) PROVIDING SAFE WATER, (6) IMPROVING WATER QUALITY, (7) TYPE AND CAPACITY OF PUMP, (8) TYPE AND SIZE OF WATER STORAGE, (9) PUMP ACCESSORIES, (10) PROTECTION FOR THE PUMP AND TANK, (11) KIND, SIZE, AND INSTALLATION OF PIPE, AND (12) WIRING AND MOTOR PROTECTION. GRADUATES IN TEACHER EDUCATION MAY USE THIS MATERIAL WITH STUDENTS OF AVERAGE MECHANICAL APTITUDE. A FILMSTRIP BY THE PUBLISHER, "PLANNING WATER SYSTEMS FOR FARM AND HOME," IS AVAILABLE FOR USE WITH THE UNIT. SUPPLEMENTARY MATERIALS INCLUDE 99 COLORED

ILLUSTRATIONS, 12 TABLES, A REFERENCE LIST, AND AN APPENDIX WITH INFORMATION ON PUMPS, CHARACTERISTICS OF TYPES OF WELLS, AND A HORSEPOWER SIZE SELECTION TABLE. (DM)

VT 006 590
HENDERSON, G.E.
ELECTRICAL TERMS--THEIR MEANING AND USE .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING BUILDING, ATHENS, GA. 30601 ($1.15).
PUB DATE - 67 36P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ELECTRICITY; UNITS OF STUDY (SUBJECT FIELDS); VOCABULARY; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; VOCATIONAL SCHOOLS

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR USE WITH HIGH SCHOOL AND ADULT STUDENTS AS PART OF AN OCCUPATIONAL CLUSTER IN AGRICULTURAL ENGINEERING. THE CONTENT INCLUDES EXPLANATIONS OF ELECTRICITY, CIRCUITS, CONDUCTORS, INSULATORS, RESISTANCE, VOLTS, AMPERES, WATTS, ALTERNATING CURRENT, DIRECT CURRENT, SINGLE PHASE, 3 PHASE, AND KILOWATT HOUR. THREE PROCEDURES TO DETERMINE THE AMOUNT OF ENERGY USED AND AN EXPLANATION OF HOW TO FIGURE ELECTRICITY OPERATING COST ARE INCLUDED. GRADUATES IN TEACHER EDUCATION MAY USE THIS REFERENCE IN HIGH SCHOOLS OR VOCATIONAL-TECHNICAL SCHOOLS WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. SUPPLEMENTARY MATERIALS INCLUDE 52 COLORED ILLUSTRATIONS AND A TABLE OF WATTAGE, ENERGY USE, AND OPERATING COST FOR HOME AND FARM ELECTRICAL EQUIPMENT. A FILMSTRIP AVAILABLE FROM THE PUBLISHER, "ELECTRICAL TERMS, THEIR MEANING AND USE" IS RECOMMENDED FOR USE WITH THIS UNIT. (DM)

VT 006 591
HENDERSON, G.E.; SMITH, GEORGE
PLANNING FARM FENCES .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING BLDG., ATHENS, GA. 30601 ($1.40).
PUB DATE - JUN66 57P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *AGRICULTURAL OCCUPATIONS; *FARM STRUCTURES; ILLUSTRATIONS; CONSTRUCTION NEEDS; HIGH SCHOOLS; POST SECONDARY EDUCATION

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR USE WITH HIGH SCHOOL AND ADULT STUDENTS IN AGRICULTURAL MECHANICS. CONTENT INCLUDES: (1) LOCATION AND ARRANGEMENT OF FENCES, (2) KINDS OF FENCES, (3) QUALITY OF FENCING MATERIALS, (4) ELECTRIC FENCE CONTROLLERS, (5) END AND CORNER CONSTRUCTION, (6) LINE POSTS KINDS AND NUMBERS, AND (7) TYPES OF PASSAGEWAYS. GRADUATS IN TEACHER EDUCATION MAY USE THIS COURSE WITH STUDENTS OF AVERAGE MECHANICAL APTITUDE. A FILMSTRIP BY THE PUBLISHER, "PLANNING FARM FENCES," IS AVAILABLE FOR USE WITH THIS UNIT. SUPPLEMENTARY MATERIALS INCLUDE 66 COLORED ILLUSTRATIONS, 10 TABLES AND A LIST OF REFERENCES. (DM)

VT 006 592
HENDERSON, G.E.; TURNER, C.E.
BUILDING FARM FENCES .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING BUILDING, ATHENS, GA. 30601 ($.90).
PUB DATE - FEB62 37P.

DESCRIPTORS - *TEXTBOOKS; REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *FARM STRUCTURES; HIGH SCHOOLS; *AGRICULTURAL OCCUPATIONS; POST SECONDARY EDUCATION; ILLUSTRATIONS; CONSTRUCTION (PROCESS)

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND TEACHER REFERENCE IS FOR HIGH SCHOOL AND ADULT STUDENTS IN AGRICULTURAL MECHANICS. CONTENT INCLUDES ASSEMBLING AND INSTALLATION INSTRUCTIONS FOR BUILDING WOVEN WIRE, BARBED WIRE, MOVABLE, AND BOARD FENCES, AND FOR GROUNDING WIRE FENCES. GRADUATES IN TEACHER EDUCATION MAY USE THIS MATERIAL WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. A FILMSTRIP BY THE PUBLISHER, "BUILDING WOVEN AND BARBED WIRE FENCES," IS AVAILABLE FOR USE WITH THIS UNIT. SUPPLEMENTARY MATERIAL INCLUDES 142 COLORED ILLUSTRATIONS. (DM)

VT 006 593
PARADY, W.H.; SMITH, GEORGE
FARM TRACTOR TUNE-UP AND SERVICE GUIDE .

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
COORDINATOR'S OFFICE, AMERICAN ASSN. FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING BLDG., ATHENS, GA. 30601 ($3.40).
PUB DATE - MAR68 76P.

DESCRIPTORS - *REFERENCE BOOKS; *VOCATIONAL AGRICULTURE; *EQUIPMENT MAINTENANCE; *AGRICULTURAL ENGINEERING; CHARTS; HIGH SCHOOLS; SPECIFICATIONS; *TRACTORS; POST SECONDARY EDUCATION

ABSTRACT - DEVELOPED BY THE AUTHORS AND REVIEWED BY INDUSTRY REPRESENTATIVES, EDUCATORS, AND SPECIALISTS, THIS STUDENT AND

TEACHER REFERENCE IS FOR USE WITH HIGH SCHOOL AND ADULT STUDENTS IN AGRICULTURAL MECHANICS. CONTENT INCLUDES SPARK PLUG HEAT RANGE COMPARISONS, A FREEZING PROTECTION TABLE, USING CALCIUM CHLORIDE FOR LIQUID WEIGHTING, FARM TRACTOR TIRE PRESSURES, EXPLANATION OF TERMS, AND TRACTOR POWER-TAKE-OFF HORSEPOWER TABLES. TUNEUP AND SERVICE SPECIFICATIONS AND RECOMMENDATIONS LISTED IN TABLE FORM FOR TRACTORS MANUFACTURED BY 10 FARM MACHINERY COMPANIES INCLUDE: (1) TUNEUP SPECIFICATIONS, (2) ENGINE AND POWER-TAKE-OFF SPEEDS, (3) PERIODIC ADJUSTMENTS, (4) COOLING SYSTEM CAPACITY, (5) CRANKCASE OIL RECOMMENDATIONS, (6) HYDRAULIC SYSTEM CAPACITY AND FLUID SPECIFICATIONS, AND (7) GEAR OILS. GRADUATES IN TEACHER EDUCATION MAY USE THESE MATERIALS WITH MALE STUDENTS OF AVERAGE MECHANICAL APTITUDE. (DM)

VT 006 626
MATTHEWS, RALPH
LANDSCAPE INSTALLATION AND MAINTENANCEL, A JUNIOR COLLEGE CURRICULUM GUIDE.

CALIFORNIA STATE DEPT. OF EDUCATION,
SACRAMENTO
PUB DATE - 68 43P.

DESCRIPTORS - *PROGRAM GUIDES; *AGRICULTURAL EDUCATION; *LANDSCAPING; *ORNAMENTAL HORTICULTURE OCCUPATION; COMMUNITY COLLEGES; POST SECONDARY EDUCATION; PROGRAM PLANNING; PROGRAM ADMINISTRATION
IDENTIFIERS - CALIFORNIA

ABSTRACT - THIS CURRICULUM GUIDE IS FOR USE BY JUNIOR COLLEGES IN PLANNING AND DEVELOPING REALISTIC LANDSCAPE CURRICULUMS. SUGGESTIONS ARE INCLUDED FOR INITIATING A PROGRAM, DEVELOPING THE CURRICULUM, SELECTING INSTRUCTORS AND FACILITIES, ENROLLING THE STUDENT, AND PLACING THE GRADUATE. COURSES RECOMMENDED AS PART OF A CURRICULUM WERE: APPLIED BOTANY; SOILS AND FERTILIZERS; IRRIGATION; OPERATION AND MAINTENANCE OF POWER EQUIPMENT; LANDSCAPE DESIGN AND INTERPRETATION; TURF MANAGEMENT; PLANT AND TREE IDENTIFICATION, INSTALLATION, AND MAINTENANCE; INSECTS, WEEDS, DISEASES, AND RODENT CONTROL; LANDSCAPE CONSTRUCTION AND COST ESTIMATION; AND BASIC MATHEMATICS, REPORT WRITING, RECORDKEEPING, AND PERSONNEL SUPERVISION. APPENDIXES CONTAIN: (1) A REFERENCE LIST, (2) A MEMORANDUM FROM THE CALIFORNIA DIVISION OF HIGHWAYS, (3) A MEMORANDUM FROM THE CITY OF LOS ANGELES, (4) GARDENER CARETAKER JOB SPECIFICATIONS, (5) GREENKEEPER JOB SPECIFICATIONS, (6) HIGHWAY LANDSCAPE FOREMAN JOB SPECIFICATIONS, (7) HIGHWAY TREE MAINTENANCE FOREMAN JOB SPECIFICATIONS, AND (8) SENIOR GARDENER JOB SPECIFICATIONS. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS. (DM)

VT 006 659
FRANCIS, EUGENE V.
A GUIDE TO ON-FARM INSTRUCTION IN FARM MANAGEMENT AND FARM BUSINESS ANALYSIS .

MINNESOTA UNIV., ST. PAUL. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JAN67 153P.

DESCRIPTORS - *TEACHING GUIDES; *FARM MANAGEMENT; *AGRICULTURAL EDUCATION; *ADULT FARMER EDUCATION; *FARM VISITS; FARM ACCOUNTS; RECORDS (FORMS); SUPERVISED FARM PRACTICE
IDENTIFIERS - MINNESOTA

ABSTRACT - DEVELOPED AS A PROGRAM OF ON-THE-FARM INSTRUCTION IN FARM MANAGEMENT, THIS GUIDE IS TO BE UTILIZED AS PART OF A SYSTEMATIC APPROACH TO FARM MANAGEMENT INSTRUCTION WITH INDIVIDUAL FARM FAMILIES. REGULARLY SCHEDULED CONSULTATION VISITS WITH EACH FAMILY MEMBER ARE NECESSARY TO INSURE CONTINUITY AND MAXIMUM ACCOMPLISHMENTS. THE SUBJECT CONTENT FOR EACH FARM CALL IS ARRANGED TO CORRELATE WITH THE PROGRESSION OF A FAMILY THROUGH A PLANNED MANAGEMENT PROGRAM, THE TIMELINESS OF VARIOUS FARM TASKS, AND COURSES OF STUDY IN CLASSROOM INSTRUCTION. ADMINISTRATORS, BOARDS OF EDUCATION, AND LAYMEN MAY USE THIS STUDY AS A GUIDE WHEN DETERMINING THE USEFULNESS AND PRACTICALITY OF IMPLEMENTING SUCH A PROGRAM IN THEIR SCHOOL. THE CONTENT INCLUDES: (1) A REVIEW OF LITERATURE, (2) ELEMENTS OF AN ON-FARM INSTRUCTIONAL PROGRAM, (3) AN OUTLINE OF THE FARM MANAGEMENT PROGRAM OF ON-FARM INSTRUCTION, AND (4) THE PROGRAM OF INSTRUCTION INCLUDING FARM MANAGEMENT I, FARM MANAGEMENT II, FARM MANAGEMENT III, AND ADVANCED FARM MANAGEMENT. THE APPENDIX CONTAINS FORMS AND ADDITIONAL RESOURCE INFORMATION. (DM)

VT 006 747
LOREEN, C.O.
INTRODUCTION TO AGRICULTURAL SCIENCE; A CURRICULUM GUIDE, AG I. SECTION A, AGRICULTURAL SCIENCE .

WASHINGTON STATE UNIV., PULLMAN. AGRICULTURAL EDUCATION
WASHINGTON RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION, OLYMPIA
DEPARTMENT OF AGRICULTURAL EDUCATION, WASHINGTON STATE UNIVERSITY, PULLMAN, WASHINGTON 99163 (NO CHARGE).
PUB DATE - SEP67 89P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *AGRONOMY; ORIENTATION MATERIALS; *AGRICULTURAL OCCUPATIONS; GRADE 9

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS, VOCATIONAL AGRICULTURE TEACHERS AND STATE SUPERVISORS, THIS CURRICULUM GUIDE IS FOR TEACHER USE IN VOCATIONAL AGRICULTURE COURSE PLANNING. CONTENT INCLUDES AREAS ON INDIVIDUAL STUDENT DEVELOPMENT, THE AGRICULTURAL INDUSTRY, ANIMAL SCIENCE, SOIL SCIENCE, PLANT SCIENCE, AND PESTS THAT AFFECT AGRICULTURE. EACH UNIT LISTS OBJECTIVES, TOPICS FOR STUDY AND DISCUSSION, ACTIVITIES, AND STUDENT AND TEACHER REFERENCES. SECTIONS A AND B MAY BE USED AS A FULL YEAR COURSE FOR STUDENTS IN NINTH GRADE INTERESTED IN AGRICULTURAL OCCUPATIONS. INCLUDED IS A GLOSSARY OF 22 BIOLOGICAL TERMS BASIC TO AGRICULTURE. SECTION B ON AGRICULTURAL MECHANICS IS AVAILABLE AS VT 006 748. (DM)

VT 006 748
LOREEN, C.O.
INTRODUCTION TO AGRICULTURAL SCIENCE: A CURRICULUM GUIDE, AG I. SECTION B, AGRICULTURAL MECHANICS .

WASHINGTON STATE UNIV., PULLMAN. AGRICULTURAL EDUCATION
WASHINGTON RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION, OLYMPIA
DEPARTMENT OF AGRICULTURAL EDUCATION, WASHINGTON STATE UNIVERSITY, PULLMAN, WASHINGTON 99163 (NO CHARGE).
PUB DATE - 67 94P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL OCCUPATIONS; *AGRICULTURAL ENGINEERING; GRADE 9

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS, VOCATIONAL AGRICULTURE TEACHERS, AND STATE SUPERVISORS, THIS CURRICULUM GUIDE IS FOR TEACHER USE IN VOCATIONAL AGRICULTURE COURSE PLANNING. AREAS INCLUDED ARE ORIENTATION TO AGRICULTURAL MECHANICS, TOOL CONDITIONING, ROPE WORK, DRAWING, AGRICULTURAL CARPENTRY, SHEET METAL WORK, FORGING, OXYACETYLENE WELDING, AND ARC WELDING. EACH UNIT CONTAINS REFERENCES, OBJECTIVES, A PROCEDURE OUTLINE, AND A LIST OF NECESSARY MATERIALS. THE APPENDIX CONTAINS A SUGGESTED TIME ALLOTMENT, RECOMMENDATIONS FOR STUDENT SHOP MANAGEMENT, GUIDING CONCEPTS IN TEACHING AGRICULTURAL MECHANICS, COOPERATIVE MAINTENANCE OF THE SHOP AND EQUIPMENT, AND A PERFORMANCE EVALUATION CHART. SECTIONS A AND B OF THIS SERIES MAY BE USED AS A FULL YEAR COURSE WITH STUDENTS IN NINTH GRADE INTERESTED IN AGRICULTURAL OCCUPATIONS. SECTION A ON ANIMAL SCIENCE IS AVAILABLE AS VT 006 747. (DM)

VT 006 753
JAWORSKI, DONALD M.; THOMPSON, JOHN F.
LANDSCAPE PLANT IDENTIFICATION . RESOURCE UNIT.

WISCONSIN UNIV., MADISON. DEPT. OF AGRICULTURAL AND EXTENSION EDUCATION
PUB DATE - MAY67 16P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *PLANT IDENTIFICATION; *ORNAMENTAL HORTICULTURE; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; *LANDSCAPING

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS AND VALIDATED BY VOCATIONAL AGRICULTURE INSTRUCTORS, THIS MIMEOGRAPHED TEACHER'S GUIDE IS FOR USE IN DEVELOPING PART OF AN ORNAMENTAL HORTICULTURE COURSE IN HIGH SCHOOL. CONTENT INCLUDES OBJECTIVES, STUDENT PROBLEMS, SUGGESTED ACTIVITIES, A LIST OF ORNAMENTAL PLANTS, A LIST OF ORNAMENTAL PLANT TERMS, LEAD QUESTIONS, A STUDENT EXERCISE, AND FIELD TRIP SUGGESTIONS. SUPPLEMENTARY MATERIALS INCLUDE A REFERENCE LIST AND DRAWINGS TO AID IN PLANT IDENTIFICATION. (DM)

VT 006 764
INFORMATION AND SUGGESTIONS FOR PLANNING AND CONSTRUCTING NEW MILK HOUSES, SELECTING, INSTALLING AND MAINTAINING MILK HOUSE EQUIPMENT). TEACHER EDUCATION SERIES VOLUME 4, NO. 1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - 62 39P.

DESCRIPTORS - *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *FARM STRUCTURES; GRADE 12; ADULT FARMER EDUCATION; *DAIRYMEN; EQUIPMENT MAINTENANCE; PURCHASING; EQUIPMENT UTILIZATION; CONSTRUCTION NEEDS; CONSTRUCTION (PROCESS)

ABSTRACT - DEVELOPED BY A TEACHER EDUCATOR IN COOPERATION WITH SUBJECT MATTER SPECIALISTS, THIS TEACHER AND STUDENT REFERENCE IS FOR HIGH SCHOOL OR ADULT FARMER CLASSES IN PRODUCTION AGRICULTURE IN THE NORTHERN STATES. SECTIONS IN THE UNIT RELATED TO PLANNING AND CONSTRUCTING NEW MILK HOUSES ARE: (1) LOOKING TO THE FUTURE, (2) GENERAL STATEMENTS ABOUT SANITARY REGULATIONS, (3) SANITARY REGULATIONS FOR MILK HOUSE CONSTRUCTION, AND (4) MILK HOUSE PLANS. THE UNIT RELATING TO SELECTING, INSTALLING, AND MAINTAINING MILK HOUSE EQUIPMENT CONTAINS: (1) GENERAL STATEMENTS ABOUT MILK HOUSE EQUIPMENT, (2) BULK MILK COOLING TANKS, WASH TANKS, WATER HEATERS AND OTHER EQUIPMENT, (3) PIPELINE INSTALLATIONS, AND (4) INSTRUCTION MANUALS AND OPERATING INSTRUCTIONS. SUPPLEMENTARY MATERIAL INCLUDES BULK MILK TANK DIMENSIONS AND MANUFACTURERS AND A REFERENCE LIST OF MATERIALS FROM COMMERCIAL COMPANIES, MILK SANITATION AGENCIES, MILK DEALER ASSOCIATIONS, STATE AGENCIES, ELECTRICAL ASSOCIATIONS, CEMENT ASSOCIATIONS, AND UNIVERSITIES. TEACHERS SHOULD BE COMPETENT IN AGRICULTURAL PRODUCTION AND MECHANICS AND STUDENTS SHOULD BE OF 12TH GRADE OR ADULT LEVEL AND HAVE AN INTEREST IN DAIRY FARMING. (DM)

VT 006 766
TODD, JOHN D.
ORNAMENTAL HORTICULTURE: FERTILIZING BEDDING PLANTS IN A GREENHOUSE .

TENNESSEE UNIV., KNOXVILLE. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - SEP67 23P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *FERTILIZERS; PLANT SCIENCE; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; *FLORICULTURE

ABSTRACT - DEVELOPED FOR USE IN TEACHING SECONDARY OR ADULT STUDENTS WITH EMPLOYMENT OBJECTIVES IN AGRICULTURE, THIS GUIDE MAY BE USED IN PROBLEM SOLVING AS PART OF A GREENHOUSE PLANT FERTILITY UNIT IN ORNAMENTAL HORTICULTURE. CONTENT INCLUDES: OBJECTIVES, INTRODUCTION, PROBLEMS, PROCEDURE, REFERENCES, AND SOLUTIONS TO PROBLEMS. SOME PROGRAMS WITH SOLUTIONS ARE: FERTILIZER NUTRIENTS AND THEIR EFFECTS, SOURCES OF FERTILIZER NUTRIENTS, TYPES OF FERTILIZER TO USE, PRE-PLANT FERTILIZATION, POSTEMERGENT FERTILIZATION, SOIL TESTING, EQUIPMENT NEEDED, AND METHODS OF APPLICATION. (DM)

VT 006 792
TODD, JOHN D.
AGRICULTURAL MECHANICS: ARC WELDING--POSITION WELDING (A.C.) .

TENNESSEE UNIV., KNOXVILLE. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - APR67 16P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *WELDING; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED FOR USE IN TEACHING SECONDARY OR ADULT STUDENTS WITH EMPLOYMENT OBJECTIVES IN AGRICULTURE, THIS GUIDE MAY BE USED AS A RESOURCE UNIT IN AGRICULTURAL MECHANIZATION. THE CONTENT INCLUDES: OBJECTIVES, INTRODUCTION, PROBLEMS OR FACTORS, PROCEDURES, REFERENCES, AND SOLUTIONS TO PROBLEM AREAS. SOLUTIONS INCLUDE: PARTS OF AN ARC WELDER, ACCESSORY EQUIPMENT NEEDED, ELECTRODE SELECTION, SAFETY PRACTICES, ADJUSTMENTS, STRIKING THE ARC AND RUNNING THE BEAD, AND PROCEDURES FOR WELDING DIFFERENT POSITIONS. (DM)

VT 006 793
TODD, JOHN D.
AGRICULTURAL MECHANICS: HARDSURFACING WITH THE ARC WELDER .

TENNESSEE UNIV., KNOXVILLE. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - APR67 7P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *WELDING; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED FOR USE IN TEACHING SECONDARY OR ADULT STUDENTS, THIS GUIDE ON HARDSURFACING WITH AN ARC WELDER PRESENTS LESSON MATERIAL FOR A UNIT IN AGRICULTURAL MECHANIZATION. CONTENT INCLUDES OBJECTIVES, INTRODUCTION, REFERENCES, PROCEDURE, PROBLEM AREAS, AND SOLUTIONS. (DM)

VT 006 794
TODD, JOHN D.
AGRICULTURAL MECHANICS: LAYING OUT AND CUTTING COMMON RAFTERS .

TENNESSEE UNIV., KNOXVILLE. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - MAR67 14P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *CARPENTRY; *FARM STRUCTURES; UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED FOR USE IN TEACHING SECONDARY OR ADULT STUDENTS WITH EMPLOYMENT OBJECTIVES IN AGRICULTURE, THIS PLAN FOR LAYING OUT AND CUTTING COMMON RAFTERS MAY BE USED AS A UNIT IN AGRICULTURAL MECHANIZATION. CONTENT INCLUDES OBJECTIVES, INTRODUCTION, REFERENCES, PROCEDURE, PROBLEM AREAS, AND SOLUTION TO PROBLEMS. THE SOLUTIONS ARE ILLUSTRATED WITH LINE DRAWINGS. (DM)

VT 006 799
HILTERBRAND, L.R.
COURSE OF STUDY INFORMATION FOUND IN SUMMARIES OF STUDIES IN AGRICULTURAL EDUCATION.

PURDUE UNIV., LAFAYETTE, IND. DEPT. OF EDUCATION
PUB DATE - NOV66 15P.

DESCRIPTORS - *BIBLIOGRAPHIES; *AGRICULTURAL EDUCATION; *CURRICULUM DEVELOPMENT; MASTERS THESES; DOCTORAL THESES; *CURRICULUM RESEARCH; AGRICULTURAL COLLEGES

ABSTRACT - TWENTY-FIVE STUDIES RELATED TO COURSES OF STUDY AND APPEARING IN "SUMMARIES OF STUDIES IN AGRICULTURAL EDUCATION" BETWEEN 1956 AND 1963 APPEAR IN THIS BIBLIOGRAPHY. NOTES CONCERNING EACH STUDY ARE ORGANIZED UNDER THE HEADINGS OF GENERAL AGRICULTURE, TRENDS AND DEVELOPMENTS, PROGRAM OF WORK, PROGRAM CONTENT, COURSE OF STUDY, AND EVALUATION. (DM)

VT 006 800
HILTERBRAND, L.R.
OBJECTIVES FOR DEVELOPING AGRICULTURAL RELATED CAREERS IN OCCUPATIONS .

PURDUE UNIV., LAFAYETTE, IND. DEPT. OF EDUCATION
PUB DATE - 66 11P.

DESCRIPTORS - *EDUCATIONAL OBJECTIVES; *VOCATIONAL AGRICULTURE; *CAREERS; *AGRICULTURAL OCCUPATIONS; AGRICULTURAL NPRODUCTION; AGRICULTURAL SUPPLIES; AGRICULTURAL MACHINERY; HORTICULTURE

ABSTRACT - DEVELOPED AS PART OF A TECHNICAL EDUCATION WORKSHOP, OBJECTIVES AND KEY POINTS OF THIS DOCUMENT ARE CONSIDERED IMPORTANT FOR SOME MEASURE OF SUCCESS IN PROBLEM SOLVING WHEN TEACHING A UNIT IN AGRICULTURAL CAREERS. CONTENT INCLUDES: (1) OBJECTIVES FOR TEACHING AGRICULTURAL CAREERS, (2) CONTRIBUTORY OBJECTIVES, (3) OBJECTIVES AND KEY POINTS FOR DEVELOPING CAREERS FOR AGRICULTURAL PRODUCTION, (4) OBJECTIVES AND KEY POINTS FOR TEACHING AGRICULTURAL SALES AND SERVICE, (5) OBJECTIVES AND KEY POINTS FOR DEVELOPING CAREERS IN AGRICULTURAL MECHANICS, AND (6) OBJECTIVES AND KEY POINTS FOR TEACHING HORTICULTURAL OCCUPATIONS. A 47-ITEM BIBLIOGRAPHY IS INCLUDED. (DM)

VT 007 004
PRODUCING HYBRID SEED CORN, 730-A. (FILMSTRIP) .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD ROAD, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($3.65).
PUB DATE - JAN68 P.

DESCRIPTORS - *FILMSTRIPS; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; *GENETICS; *CORN (FIELD CROP); HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DESIGNED BY INDUSTRY AND SUBJECT MATTER SPECIALISTS, THIS FILMSTRIP IS FOR HIGH SCHOOL AND ADULT STUDENTS IN PRODUCTION AGRICULTURE WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT OF THIS 63-FRAME FILMSTRIP IN COLOR INCLUDES PRINCIPLES OF CORN FLOWERING, BASIC CORN BREEDING, CONTROL OF POLLINATION, AND PRODUCTION OF VARIOUS HYBRID CROSSES. A NARRATIVE INSET IS INCLUDED ON EACH SLIDE FRAME. (DM)

VT 007 005
PREVENTING TRANSPORTATION LOSSES OF LIVESTOCK, 186 A. (FILMSTRIP) .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($2.55).
PUB DATE -   MAR68   P.

DESCRIPTORS - *FILMSTRIPS; *VOCATIONAL AGRICULTURE; *TRANSPORTATION; *ECONOMIC FACTORS; *LIVESTOCK; MARKETING; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DESIGNED BY INDUSTRY AND SUBJECT MATTER SPECIALISTS, THIS FILMSTRIP IS FOR HIGH SCHOOL AND ADULT STUDENTS IN PRODUCTION AGRICULTURE WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT OF THIS 40-FRAME ANIMATED FILMSTRIP IN COLOR INCLUDES: (1) ECONOMIC COST OF TRANSPORTATION INJURY, (2) CAUSES OF ANIMAL BRUISES, (3) WHERE BRUISES OCCUR, AND (4) STEPS IN REDUCING LOSSES. THE NARRATIVE DESCRIPTION IS INCLUDED ON THE SLIDE FRAMES. (DM)

VT 007 006
PLAN THE LIVESTOCK SYSTEM AND ESTIMATE FERTILIZER COSTS, 372. (FILMSTRIP) .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($3.05).
PUB DATE -   SEP67   P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; ADULT VOCATIONAL EDUCATION; *FILMSTRIPS; *FARM MANAGEMENT; *LIVESTOCK; HIGH SCHOOLS; *FERTILIZERS

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS FILMSTRIP IS FOR HIGH SCHOOL AND ADULT STUDENTS IN PRODUCTION AGRICULTURE WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THIS IS THE THIRD OF A SERIES OF SLIDE FILMS ON THE SUBJECT OF FARM PLANNING. PREVIOUS SLIDE FILMS IN THE SERIES, AVAILABLE FROM THE PUBLISHER, ARE NO. 370-65, INVENTORY YOUR RESOURCES, AND 371-65, PLAN THE LAND USE PROGRAM AND ESTIMATE CROP PRODUCTION. CONTENT INCLUDES THE STEP-BY-STEP PROCEDURE FOR PLANNING THE LIVESTOCK SYSTEM AND ESTIMATING FERTILIZER COST. THIS 45-FRAME SLIDE SERIES IN COLOR CONTAINS PRIMARILY NARRATIVE INFORMATION. (DM)

VT 007 007
SELECTING BREEDING SHEEP, 143 A. (FILMSTRIP) .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($3.80).
PUB DATE -   MAR68   P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SELECTION; *ANIMAL SCIENCE; *SHEEP; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS FILMSTRIP IS FOR HIGH SCHOOL AND ADULT STUDENTS IN PRODUCTION AGRICULTURE WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. CONTENT OF THIS 69-FRAME SLIDE SERIES IN COLOR INCLUDES: PARTS OF A SHEEP, A DESCRIPTION OF THE IDEAL ANIMAL, JUDGING PROCEDURE, DETERMINING AGE OF ANIMAL BY ITS TEETH, AND GROUP SELECTION. THE NARRATIVE DESCRIPTION IS INCLUDED ON THE SLIDE FRAMES. (DM)

VT 007 008
RECOGNIZING HERBICIDE INJURY, 799. (FILMSTRIP) .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($3.45).
PUB DATE -   JAN68   P.

DESCRIPTORS - *FILMSTRIPS; *FIELD CROPS; *VOCATIONAL AGRICULTURE; *HERBICIDES; GRAINS; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION; *WEEDS

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS FILMSTRIP IS FOR HIGH SCHOOL AND ADULT STUDENTS IN PRODUCTION AGRICULTURE WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE 58 FRAMES ARE IN COLOR AND THE NARRATIVE IS PRINTED ON THE LOWER PORTION OF EACH SLIDE. THE CONTENT INCLUDES: OBSERVATION OF CHEMICAL DAMAGE, FACTORS AFFECTING CHEMICAL APPLICATION RATE, SYMPTOMS OF CHEMICAL INJURY IN CORN AND SOYBEANS, CHEMICAL RESIDUE PROBLEMS, AND ECONOMIC BENEFITS OF WEED CONTROL. (DM)

VT 007 009
PROFIT PROSPECTS FOR CATTLE FEEDING, 376. (FILMSTRIP) .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($3.55).
PUB DATE -   MAR68   P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE;

*FILMSTRIPS; *ANIMAL SCIENCE; *AGRICULTURAL PRODUCTION; *CATTLE; FARM MANAGEMENT; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS FILMSTRIP IS FOR HIGH SCHOOL AND ADULT STUDENTS IN PRODUCTION AGRICULTURE WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT OF THIS 61-FRAME SLIDE SERIES IN COLOR CONTAINS: (1) THE LOW-TERM AGRICULTURAL OUTLOOK, (2) CHANGE BY YEARS IN CATTLE MARKETINGS, (3) SOURCES OF FEEDER CATTLE, (4) BUYING CATTLE, (5) BUDGETING A CATTLE OPERATION, (6) THE DEMAND FOR BEEF, AND (7) ECONOMICS OF DRY AND OPEN LOT AND CONFINEMENT SYSTEMS. THE NARRATIVE INFORMATION IS INCLUDED ON THE SLIDE FRAMES. (DM)

VT 007 010
PROPAGATION BY AIR LAYERING, 600. (FILMSTRIP).

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($2.45).
PUB DATE - MAR68

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *ORNAMENTAL HORTICULTURE; *PLANT PROPAGATION; HIGH SCHOOLS; ADULT VOCATIONAL EDUCATION

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS FILMSTRIP IS FOR HIGH SCHOOL AND ADULT STUDENTS IN ORNAMENTAL HORTICULTURE WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT OF THIS 26-FRAME SLIDE SERIES IN COLOR INCLUDES DIRECTIONS FOR ROOT DEVELOPMENT OF SPECIALIZED PLANTS BY AIR LAYERING. THE NARRATIVE INFORMATION IS INCLUDED ON THE SLIDE FRAMES. (DM)

VT 007 073
A HANDBOOK FOR STUDENT TEACHERS AND SUPERVISING TEACHERS IN VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL. COLL. OF EDUCATION
PUB DATE - DEC65 95P.

DESCRIPTORS - *STUDENT TEACHING; *MANUALS; *GUIDELINES; *AGRICULTURAL EDUCATION; SCHOOL ACTIVITIES; TEACHER RESPONSIBILITY; *TEACHER EDUCATION; COOPERATING TEACHERS; STUDENT TEACHERS; EDUCATIONAL POLICY; TEACHER ORIENTATION; TEACHER EVALUATION
IDENTIFIERS - MINNESOTA

ABSTRACT - TO ANSWER QUESTIONS OF SUPERVISING AND STUDENT TEACHERS AND TO ENCOURAGE GENUINE LEARNING AS A PART OF THE STUDENT TEACHING EXPERIENCE, THIS MANUAL WAS DEVELOPED AS A GUIDE FOR STUDENT TEACHING ACTIVITIES. SECTION I, ADDRESSED TO THE STUDENT TEACHER, CONTAINS: (1) AN INTRODUCTION TO STUDENT TEACHING, (2) YOUR ENTRANCE INTO THE TEACHING PROFESSION, (3) PLANNING AND OBSERVING, (4) YOUR WORK IN THE CLASSROOM BEFORE YOU BEGIN YOUR UNIT, (5) PLANNING AND TEACHING YOUR UNIT, (6) EVALUATION OF YOUR WORK IN STUDENT TEACHING, AND (7) REPORT FORMS. SECTION II, RELATED TO STUDENT TEACHING ACTIVITIES, CONTAINS: (1) GETTING ESTABLISHED, (2) DEVELOPING A COMMUNITY PROGRAM, (3) TEACHING HIGH SCHOOL STUDENTS, (4) ADVISING YOUTH ORGANIZATIONS, (5) TEACHING ADULT FARMER CLASSES, (6) COUNSELING PUPILS, (7) MANAGING A DEPARTMENT, AND (8) IMPROVING PROFESSIONALLY. SECTION III FOR THE SUPERVISING TEACHER INCLUDES: (1) SHARING OF RESPONSIBILITY, (2) KNOWLEDGE OF CLASS PROCEDURE, (3) CAREFUL PLANNING, (4) THE STUDENT TEACHER AND THE COMMUNITY, (5) EVALUATION, AND (6) SUGGESTED REFERENCES. (DM)

VT 007 169
WOOD, JAY M.
AGRICULTURAL MECHANICS: ADVANCED STUDIES AND PROJECT PLANS FOR WASHINGTON .

WASHINGTON STATE UNIV., PULLMAN. AGRICULTURAL EDUCATION
WASHINGTON COORDINATING COUNCIL FOR OCCUPATIONAL EDUCATION, OLYMPIA. DIV. OF VOCATIONAL EDUCATION
PUB DATE - AUG68 81P.

DESCRIPTORS - *REFERENCE MATERIALS; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; SHOP CURRICULUM; *STUDENT PROJECTS; SECONDARY GRADES

ABSTRACT - THIS STUDENT REFERENCE CONSOLIDATES PLANS FOR SOME ADVANCED SKILLS AND SMALL PROJECTS THAT STUDENTS STUDYING AGRICULTURAL SCIENCES CAN USE TO LEARN SHOP SKILLS AND ABILITIES. IT MAY ASSIST TEACHERS TO FILL A VOID CAUSED BY REDUCED INTEREST IN BUILDING FARM-TYPE PROJECTS IN THE AGRICULTURAL LABORATORY. PLANS ARE INCLUDED FOR THE FOLLOWING PROJECTS: WELDING VISE, AUTOMOBILE ENGINE STAND, OUTBOARD MOTOR STAND, ARC WELDING TABLE, EMERGENCY JACK, PATIO LAMP, CHUCK KEY, HYDRAULIC ENGINE HOIST, LIVE CENTER, SHEET METAL PLANTER, SHEET METAL BOX, DRILL PRESS VISE, SAW HORSE, BARBECUE, STUD PULLER, STEAK HAMMER, TAP AND DIE, SHOE SCRAPER, HAND LANTERN IRON TWISTING DEVICE, JAW CLAMP, SCREW DRIVER, WELDING CLAMP, SEAM PRACTICE, JACK STANDS, CARPENTRY TEACHING AID, LOCATING ADAPTOR, WASHER PLATE, CABINET, STOOL, HEXAGON TABLE, LATHE PRACTICE, C-CLAMP, TOOL BOX, T-SLOT CLEANER, TOOL TRAY, COUPLER, BUSHING REMOVER, AND PUNCH. (DM)

VT 007 170
JACKS, LLOYD P.; ELLIS, TOM E.
A REFERENCE ON LIMING SOILS FOR GREATER PROFITS .

MISSISSIPPI STATE UNIV., STATE COLL. SUBJECT MATTER SERVICE
MISSISSIPPI STATE BOARD FOR VOCATIONAL AND TECHNICAL EDUCATION, JACKSON. VOCATIONAL AGRICUTURE DIV.
PUB DATE - OCT67 29P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; *FERTILIZERS; UNITS OF STUDY (SUBJECT FIELDS); *AGRONOMY
IDENTIFIERS - *LIME

ABSTRACT - DEVELOPED BY A COMMITTEE OF TEACHER EDUCATORS THROUGH A COMPILATION OF RESEARCH AND OTHER PUBLICATIONS, THIS HIGH SCHOOL AND ADULT FARMER REFERENCE IS FOR STUDENTS STUDYING A CLUSTER OF AGRICULTURAL OCCUPATIONS IN THE SOUTHEAST UNITED STATES. THE CONTENT INCLUDES: (1) THE NEED FOR LIME, (2) LIME STATUS AND EFFECT ON MISSISSIPPI SOILS, (3) EXPERIMENTAL RESULTS, (4) DETERMINING LIME NEEDS, (5) SOURCES OF LIME, (6) AMOUNT OF LIME, (7) TIME OF APPLICATION, (8) METHOD OF APPLICATION, (9) FREQUENCY OF APPLICATION, AND (10) ASSISTANCE AVAILABLE. THE TEACHER FOR THIS UNIT SHOULD BE A TEACHER EDUCATION CURRICULUM GRADUATE IN AGRICULTURE, AND STUDENTS SHOULD DESIRE DEVELOPMENT AND IMPROVEMENT OF AGRICULTURAL KNOWLEDGES AND SKILLS. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS AND TABLES. (DM)

VT 007 182 ED 037 521
MILLER, DWANE G., AND OTHERS
TRANSPARENCY MASTERS FOR CROP AND WEED IDENTIFICATION. FINAL REPORT.

WASHINGTON STATE UNIV., PULLMAN
WASHINGTON STATE COORDINATING COUNCIL FOR OCCUPATIONAL EDUCATION, OLYMPIA
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEG-4-7-070031-1626 08
BR-7-0031
PUB DATE - JUN68 220P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; INSTRUCTIONAL MATERIALS; *PLANT SCIENCE; *PLANT IDENTIFICATION; *WEEDS; AGRONOMY; RESEARCH PROJECTS

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE TRANSPARENCY MASTERS AND THE ACCOMPANYING NARRATIVE MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING COURSES IN PLANT SCIENCE. THEY WERE DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHER EDUCATORS AS PART OF A PROJECT DESIGNED TO TEST EFFECTS OF INVOLVING VOCATIONAL AGRICULTURE TEACHERS IN DEVELOPMENT AND EXPERIMENTAL USE OF INSTRUCTIONAL MATERIALS. INCLUDED WITH THE TRANSPARENCIES ARE INTRODUCTORY MATERIAL ON THE PROJECT, THE METHOD OF RESEARCH, AND THE RESULTS, AS WELL AS RECOMMENDED USES OF THE MASTERS AND TEACHING SUGGESTIONS. THE TRANSPARENCIES ARE GROUPED UNDER FIVE SUBJECT AREAS: (1) GENERAL PLANT MORPHOLOGY AND STRUCTURE, (2) CEREAL CROPS, (3) LEGUMES, (4) GRASSES, AND (5) WEED IDENTIFICATION. SAMPLES OF LETTERS AND QUESTIONNAIRES USED IN THE RESEARCH ARE APPENDED. (AW)

VT 007 190
TODD, JOHN D.
AGRICULTURAL MECHANICS: USING AN OXYACETYLENE WELDER .

TENNESSEE UNIV, KNOXVILLE. DEPT. OF AGRICULTURAL EDUCATION
THE UNIVERSITY OF TENNESSEE, KNOXVILLE, TENNESSEE 37916 (SINGLE COPIES FOR TEACHER EDUCATORS, SUPERVISORS ORNVOCATIONAL TEACHERS).
PUB DATE - MAY68 18P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *WELDING; SECONDARY GRADES

ABSTRACT - DEVELOPED BY A TEACHER EDUCATOR FOR TEACHER USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES, THIS 2-WEEK INSTRUCTIONAL UNIT IS FOR USE IN GRADES 9 THROUGH 12 WITH STUDENTS OF AVERAGE MECHANICAL ABILITY. THE CONTENT INCLUDES: (1) OBJECTIVES, (2) INTRODUCTION, (3) PROBLEMS OR FACTORS, (4) PROCEDURE, (5) REFERENCES, AND (6) SOLUTIONS TO PROBLEMS OR FACTORS. THE PROBLEMS INCLUDED ARE: (1) PARTS OF AN OXYACETYLENE WELDER OUTFIT, (2) SUPPORTING EQUIPMENT AND SUPPLIES NEEDED, (3) USES OF AN OXYACETYLENE WELDER, (4) SAFETY PRACTICES, (5) PREPARING THE METAL FOR WELDING OR BRAZING, (6) PROCEDURES FOR LIGHTING AND ADJUSTING THE EQUIPMENT, AND (7) PROCEDURES FOR USING OXYACETYLENE EQUIPMENT--WELDING, BRAZING, AND CUTTING. TEACHERS SHOULD BE COMPETENT IN USING AN OXYACETYLENE WELDER. (DM)

VT 007 201
TODD, JOHN D.
AGRICULTURAL MECHANICS: USE AND ADJUSTMENT OF SELECTED STATIONARY SHOP EQUIPMENT .

TENNESSEE UNIV., KNOXVILLE. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - 3JUN68 32P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *EQUIPMENT UTILIZATION; *SCHOOL SHOPS; SECONDARY GRADES

ABSTRACT - DEVELOPED BY A TEACHER EDUCATOR FOR USE IN HIGH SCHOOL CLASSES OF VOCATIONAL AGRICULTURE, THIS TEACHING GUIDE IS FOR A 2-WEEK UNIT WITH MALE STUDENTS OF AVERAGE MECHANICAL ABILITY. THE CONTENT INCLUDES DISCUSSION OF THE USE AND ADJUSTMENT OF THE DRILL PRESS, TABLE SAW, BANDSAW, PLANER AND JOINTER. MAJOR HEADINGS ARE: (1) OBJECTIVES, (2) INTRODUCTION, (3) PROBLEMS OR FACTORS OF CONCERN, (4) PROCEDURE, (5) REFERENCES, AND (6) SOLUTIONS. THE DOCUMENT IS MIMEOGRAPHED. (DM)

VT 007 259
BURNS, PAUL M.; STEVENS, GLENN Z.
A PLAN TO REDUCE CERTAIN CREDIT AND COLLECTION PROBLEMS RELATED TO AGRICULTURAL SUPPLIES SALES AND SERVICE BUSINESSES . TEACHER EDUCATION RESEARCH SERIES-9-NO.-1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. AGRICULTURAL EDUCATION SECTION
PUB DATE - 68 30P.

DESCRIPTORS - *REFERENCE MATERIALS;

*VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *CREDIT (FINANCE); MONEY MANAGEMENT; UNITS OF STUDY (SUBJECT FIELDS); BUSINESS EDUCATION; TRANSPARENCIES

ABSTRACT - DESIGNED AS A UNIT IN A COMPREHENSIVE PROGRAM OF VOCATIONAL-TECHNICAL CLASSES AND INDIVIDUAL INSTRUCTION FOR ADULTS, THIS REFERENCE CONTAINS TEXTUAL MATERIAL RELATED TO REDUCING CREDIT AND COLLECTION PROBLEMS IN AGRICULTURAL SUPPLIES SALES AND SERVICE BUSINESSES. THE CONTENT INCLUDES A DEFINITION OF CREDIT, AND INFORMATION ON THE IMPORTANCE OF EXTENDING CREDIT CAREFULLY, DETERMINING THE AMOUNT OF CREDIT TO EXTEND, TERMS OF REPAYMENT, IMPORTANCE OF REGULAR STATEMENTS, NECESSITY OF AGING OF ACCOUNTS, DEALING WITH CUSTOMERS TACTFULLY, RECOMMENDATIONS FOR COLLECTING MONEY, WHEN TO PLACE A BILL FOR COLLECTION, DANGERS OF CONTINGENT LIABILITY, AND ADAPTING A CREDIT AND COLLECTION PLAN. THE 16 ILLUSTRATED SUMMARY PAGES ARE SUITABLE FOR REPRODUCTION FOR STUDENTS AND FOR USE AS TRANSPARENCY MASTERS. (DM)

VT 007 270 ED 023 919
STINSON, RICHARD F. AND OTHERS
RETAIL FLOWER SHOP OPERATION AND MANAGEMENT. A TEACHER'S MANUAL .

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
EDUCATIONAL RESOURCES DEVELOPMENT BRANCH
OEC-5-85-014 C8
BR-5-0022
PUB DATE - 68 163P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; REFERENCE MATERIALS; *ORNAMENTAL HORTICULTURE OCCUPATION; *FLORICULTURE; MANAGEMENT; SALESMANSHIP; MARKETING; ACHIEVEMENT TESTS

ABSTRACT - FIELD TESTED BY TEACHERS ATTENDING AN INSTITUTE IN LANDSCAPE HORTICULTURE JULY 5-22, 1966, THIS TEACHER'S MANUAL IS ONE OF A SERIES OF INSTRUCTIONAL AIDS DEVELOPED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY. THE CONTENT INCLUDES PROBLEM AREAS OF: (1) EXPLORING OCCUPATIONAL OPPORTUNITIES IN THE RETAIL FLOWER SHOP BUSINESS, (2) USES AND CHARACTERISTICS OF FLOWERS, PLANTS, AND DECORATIVE MATERIALS, (3) DESIGNING WITH FLOWERS AND DECORATIVE MATERIALS, (4) USING FLOWER ARRANGEMENTS, (5) MERCHANDISING AND SELLING, AND (6) RETAIL FLOWER SHOP MANAGEMENT. IN ADDITION TO THE STUDENT MATERIAL CONTAINED IN VT 007 271, THIS DOCUMENT INCORPORATES AT THE END OF EACH UNIT SUGGESTIONS AND REFERENCES FOR THE TEACHER, SUGGESTED LEARNING ACTIVITIES, SUGGESTED PLACEMENT EXPERIENCES, AND A SAMPLE TEST. THE MATERIAL WAS DEVELOPED FOR SCHOOLS NEAR LARGE CENTERS OF POPULATION FOR USE IN TEAM TEACHING INVOLVING THE TEACHER OF AGRICULTURE, A BUSINESS TEACHER, AND A DISTRIBUTIVE EDUCATION TEACHER. COURSE LENGTH MAY VARY FROM 6 WEEKS TO 1 SEMESTER WITH STUDENTS OF UPPER HIGH SCHOOL OR POST HIGH SCHOOL LEVEL, WHO ARE INTERESTED IN ENTERING CAREERS IN RETAIL FLOWER SHOPS AND WHO HAVE OPPORTUNITY FOR OCCUPATIONAL WORK EXPERIENCE IN FLORICULTURE. A COURSE EXAMINATION IS INCLUDED. (DM)

VT 007 271 ED 023 920
STINSON, RICHARD F. AND OTHERS
RETAIL FLOWER SHOP OPERATION AND MANAGEMENT. A STUDENT HANDBOOK .

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
EDUCATIONAL RESOURCES DEVELOPMENT BRANCH
OEC-5-85-014 C8
BR-5-0022
PUB DATE - 68 138P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; REFERENCE MATERIALS; *FLORICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; MANAGEMENT; SALESMANSHIP; MARKETING

ABSTRACT - FIELD TESTED BY TEACHERS FROM THE NORTHEASTERN STATES WHO PARTICIPATED IN A LANDSCAPE HORTICULTURE TEACHER'S INSTITUTE JULY 5-22, 1966, THIS STUDENT REFERENCE IS ONE OF A SERIES OF INSTRUCTIONAL AIDS DEVELOPED BY THE PENNSYLVANIA STATE UNIVERSITY DEPARTMENT OF AGRICULTURAL EDUCATION. THE CONTENT INCLUDES PROBLEM AREAS OF: (1) EXPLORING OCCUPATIONAL OPPORTUNITIES IN THE RETAIL FLOWER SHOP BUSINESS, (2) USES AND CHARACTERISTICS OF FLOWERS, PLANTS, AND DECORATIVE MATERIALS, (3) DESIGNING WITH FLOWERS AND DECORATIVE MATERIALS, (4) USING FLOWER ARRANGEMENTS, (5) MERCHANDISING AND SELLING, AND (6) RETAIL FLOWER SHOP MANAGEMENT. EACH PROBLEM AREA CONTAINS STUDENT LEARNING OBJECTIVES, KEY QUESTIONS, NEW WORDS, AND SUBJECT MATERIAL. SUPPLEMENTARY MATERIAL INCLUDES PHOTOGRAPHS, CHARTS, AND A LIST OF REFERENCES. A TEACHING GUIDE IS AVAILABLE AS VT 007 270. (DM)

VT 007 284
MANUAL AND SUGGESTIONS FOR BEGINNING STUDENT TEACHING.

WYOMING UNIV., LARAMIE. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - 68 21P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *VOCATIONAL EDUCATION; PRESERVICE EDUCATION; *TEACHER EDUCATION; COLLEGE STUDENTS; *COOPERATING TEACHERS; MANUALS

ABSTRACT - THIS MANUAL FOR USE BY STUDENT TEACHERS IN VOCATIONAL EDUCATION CONTAINS: (1) SUGGESTIONS FOR THE BEGINNING STUDENT TEACHER, (2) PROCEDURE FOR PROFESSIONAL RELATIONSHIPS, (3) PROCEDURE FOR CLASSROOM, SHOP AND FIELD WORK, (4) GENERAL INSTRUCTIONS, (5) SUGGESTIONS TO SUPERVISING TEACHERS ON PROCEDURES WITH STUDENT TEACHERS, AND (6) EIGHT SAMPLE FORMS FOR USE IN THE STUDENT TEACHING EXPERIENCE. (DM)

VT 007 298
RYERSON, DON, COMP., AND OTHERS
RANGE RESOURCE MANAGEMENT, UNIT OUTLINE . AG.

ED. PUBLICATION NO. 4.

MONTANA STATE UNIV., BOZEMAN. DEPT. OF AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION DEPARTMENT, MONTANA STATE UNIVERSITY, BOZEMAN, MONTANA 59715 ($2.50).
PUB DATE - 68 286P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; AGRICULTURAL PRODUCTION; *FARM MANAGEMENT; ADULT FARMER EDUCATION; *AGRONOMY; SECONDARY EDUCATION
IDENTIFIERS - *RANGE MANAGEMENT; MONTANA

ABSTRACT - THIS TEACHING GUIDE IS FOR USE IN PLANNING AND CONDUCTING A COURSE IN RANGE AND PASTURE MANAGEMENT FOR VOCATIONAL AGRICULTURE STUDENTS IN HIGH SCHOOLS. THE CONTENT INCLUDES CAREERS AND JOB OPPORTUNITIES, PLANT PHYSIOLOGY AND MORPHOLOGY, PLANT ECOLOGY, PLANT IDENTIFICATION, RANGE CONDITIONS, GRAZING, RENOVATION, ECONOMICS, ADMINISTRATION, WATERSHEDS, WILDLIFE, AND RECREATION. EACH UNIT CONTAINS OBJECTIVES, AN INTEREST APPROACH, THE CONTENT, STUDENT ACTIVITIES, AND REFERENCES. TEACHERS SHOULD BE COMPETENT IN BOTANY AND UNDERSTAND RANGE AND PASTURE MANAGEMENT AND STUDENTS SHOULD BE ENROLLED IN HIGH SCHOOL OR ADULT FARMER CLASSES IN THE WESTERN AND SOUTHWESTERN RANGE AREAS. SUPPLEMENTARY MATERIAL FOR THIS ONE-SEMESTER TO ONE-YEAR COURSE INCLUDES VISUAL AIDS, A LIST OF REFERENCE BOOKS, AND A BIBLIOGRAPHY. THE DOCUMENT IS MIMEOGRAPHED. THE STUDENT WORKBOOK IS AVAILABLE AS VT 007 299. (DM)

VT 007 299
RYERSON, D.E., AND OTHERS
RANGE RESOURCE MANAGEMENT. STUDENT GUIDE . AG. ED. PUBLICATION NO. 4.

MONTANA STATE UNIV., BOZEMAN. DEPT. OF AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION DEPARTMENT, MONTANA STATE UNIVERSITY, BOZEMAN, MONTANA 59715 ($1.50).
PUB DATE - 68 172P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; AGRICULTURAL PRODUCTION; *FARM MANAGEMENT; ADULT FARMER EDUCATION; *AGRONOMY; SECONDARY EDUCATION
IDENTIFIERS - *RANGE MANAGEMENT; MONTANA

ABSTRACT - THIS VOCATIONAL AGRICULTURE STUDENT REFERENCE IS FOR A SEMESTER OR A FULL YEAR COURSE IN AGRICULTURAL OCCUPATIONS FOR HIGH SCHOOL AND ADULT CLASSES. IT WAS DEVELOPED BY GRADUATE STUDENTS, TEACHERS, SPECIALISTS, AND TEACHER EDUCATORS FOR USE AS A WORKBOOK. THE CONTENT INCLUDES: (1) INTRODUCTION TO RANGE RESOURCE MANAGEMENT, (2) CAREERS AND JOB OPPORTUNITIES IN RANGE MANAGEMENT, (3) PLANT PHYSIOLOGY AND MORPHOLOGY, (4) PLANT ECOLOGY, (5) RANGE CONDITIONS, TREND AND UTILIZATION, (7) GRAZING SYSTEMS AND PRACTICES, (8) RANGE RENOVATION PRACTICES, (9) RANGE ECONOMICS, (10) RANGE ADMINISTRATION, (11) WATERSHEDS, (12) WILDLIFE, AND (13) RECREATION. EACH UNIT CONTAINS OBJECTIVES, SUBJECT CONTENT, AND AN OUTLINE FOR STUDENT NOTES. TEACHERS SHOULD BE COMPETENT IN BOTANY AND UNDERSTAND RANGE AND PASTURE MANAGEMENT. THE DOCUMENT IS MIMEOGRAPHED. THE TEACHER'S GUIDE FOR THIS UNIT IS AVAILABLE AS VT 007 298. (DM)

VT 007 328
DALTON, L.C., AND OTHERS
JOB BREAKDOWNS FOR FARM MECHANICS INSTRUCTION IN VOCATIONAL AGRICULTURE I.

PUB DATE - 67 39P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *JOB SKILLS; HIGH SCHOOLS; *SCHOOL SHOPS; DEMONSTRATIONS (EDUCATIONAL); *LABORATORY PROCEDURES; TASK ANALYSIS

ABSTRACT - DEVELOPED BY A STATE SUPERVISOR OF AGRICULTURAL EDUCATION, THESE TASK DESCRIPTIONS ARE FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE PROGRAMS. AFTER DEMONSTRATIONS ON THE PART OF THE INSTRUCTOR, IT IS SUGGESTED THAT THE JOB BREAKDOWNS BE PUT UNDER CLEAR PLASTIC COVERS AND MOUNTED NEAR THE VARIOUS WORK AREAS SO THAT STUDENTS CAN REFER TO THEM AS NEEDED. THE JOBS ARE: (1) GRINDING A WOOD CHISEL OR PLANE IRON, (2) SHARPENING AN AUGER BIT, (3) SHARPENING AXE AND HATCHET, (4) WHETTING A PLANE IRON AND A WOOD CHISEL, (5) STRIKING AN ARC AND RUNNING A FLAT BEAD, (6) RUNNING A BEAD WITH WEAVING MOTION, (7) BUTT WELDING IN A FLAT POSITION, (8) FILLET WELDING IN HORTIZONTAL AND FLAT POSITIONS, (9) WELDING IN VERTICAL POSITION, (10) WELDING STRINGER BEAD IN OVERHEAD POSITION, (11) WELDING SHEET METAL, (12) WELDING CAST IRON, (13) CUTTING METAL WITH A MILD STEEL ELECTRODE, (14) BUILDING UP WORN PARTS, (15) BRAZING SHEET METAL, (16) HARD FACING, (17) WELDING PIPE TEE JOINT, (18) BUILDING UP EDGE OF TOOL, (19) SOLDERING HOLES WITH A SINGLE CARBON, (20) LUBRICATION OF TRACTOR, (21) SERVICING CLUTCH, POWER TAKE OFF, POWER LIFT AND BRAKES, (22) SERVICING THE COOLING SYSTEM, (23) MAINTENANCE OF THE CARBURETOR, (24) MAINTENANCE OF IGNITION AND ELECTRICAL SYSTEM, AND (25) TROUBLE SHOOTING. THE RECOMMENDED TIME ALLOTMENT IS 12 HOURS. (DM)

VT 007 329
DALTON, L.C.: RICHARDSON, JOE A.
A SUGGESTED TEACHING PROCEDURE FOR INSTRUCTION OF CAREERS IN AGRICULTURAL OCCUPATIONS, TO BE OFFERED TO STUDENTS ENROLLED IN VOCATIONAL AGRICULTURE IN NEW MEXICO.

PUB DATE - 67 27P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *CAREER CHOICE; *OCCUPATIONAL INFORMATION; HIGH SCHOOLS; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY A STATE SUPERVISOR OF AGRICULTURAL EDUCATION, THIS TEACHING GUIDE IS FOR USE WITH VOCATIONAL AGRICULTURE STUDENTS STUDYING A UNIT IN AGRICULTURAL OCCUPATIONS. THE CONTENT INCLUDES: (1) INTRODUCTION AND MOTIVATION, (2) GETTING FAMILIAR WITH OCCUPATIONAL OPPORTUNITIES IN

AGRICULTURE, AND (3) PLANNING FOR AN OCCUPATION IN AGRICULTURE. EACH UNIT CONTAINS SUGGESTED ACTIVITIES, OBJECTIVES, AND TEACHING-LEARNING ACTIVITIES. SUPPLEMENTARY MATERIAL IN THIS MIMEOGRAPHED DOCUMENT INCLUDES 17 PAGES OF TRANSPARENCY MASTERS AND A 1-PAGE GUIDE FOR STUDYING OCCUPATIONS IN AGRICULTURE WHICH IS SUITABLE FOR DUPLICATION. (DM)

VT 007 336
STUDENT TEACHING MANUAL FOR VOCATIONAL AGRICULTURE.

WASHINGTON STATE UNIV., PULLMAN. AGRICULTURAL EDUCATION
PUB DATE - 68 33P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; COOPERATING TEACHERS; PRESERVICE EDUCATION; COLLEGE STUDENTS

ABSTRACT - THIS MANUAL WAS PREPARED BY TEACHER EDUCATORS AND SUPERVISING TEACHERS TO ASSIST STUDENT TEACHERS IN THEIR FIELD-EXPERIENCE PROGRAM. THE CONTENT INCLUDES: (1) GENERAL INSTRUCTIONS, (2) KEEPING A NOTEBOOK, (3) EARLY TRAINING CENTER ACTIVITIES, (4) GENERAL SUGGESTIONS, (5) DEVELOPING IN THE JOB, (6) TEACHING THE FIRST CLASS, (7) LESSON PLAN OUTLINE, (8) AGRICULTURAL OCCUPATIONS, (9) PROGRESS REPORT FORM, (10) FINAL REPORT FORM, (11) STUDY GUIDE, (12) SUGGESTIONS FOR THE HIGH SCHOOL PRINCIPAL, AND (13) SUGGESTIONS TO THE SUPERVISING TEACHER. THE APPENDIXES CONTAIN SUGGESTIONS FOR OBSERVING CLASSES AND A CHECKLIST FOR EVALUATING CLASSROOM TEACHING. (DM)

VT 007 338
THOMPSON, JOHN F.
HANDBOOK FOR THE INTERNS IN AGRICULTURAL EDUCATION, 1968.

WISCONSIN UNIV., MADISON. DEPT. OF AGRICULTURAL AND EXTENSION EDUCATION
PUB DATE - 68 20P.

DESCRIPTORS - STUDENT TEACHERS; *STUDENT TEACHING; *CONCEPTUAL SCHEMES; *MANUALS; *VOCATIONAL AGRICULTURE; TEACHER EDUCATION; *TEACHER INTERNS; COOPERATING TEACHERS; PRESERVICE EDUCATION

ABSTRACT - TO ESTABLISH A CONCEPTUAL FRAMEWORK FOR THE INTERN PROGRAM IN AGRICULTURAL EDUCATION, THIS DOCUMENT DISCUSSES ISSUES TO GUIDE THE INTERN AND TEAM COORDINATOR IN THE DEVELOPMENT OF EDUCATIONAL EXPERIENCES FOR THE STUDENT TEACHER. THE CONTENT INCLUDES: (1) THE INTERN SETTING, (2) PROFESSION DEFINED, (3) WHAT IS AN INTERNSHIP, (4) HOW DOES THE INTERNSHIP FUNCTION, (5) YOUR CRUCIAL TASK, (6) LEVELS OF EXPERIENCE, (7) THE LEARNING PROCESS, (8) A MODEL FOR EDUCATIONAL DECISION MAKING, (9) INDIVIDUALIZED INSTRUCTION IN VOCATIONAL AGRICULTURE, AND (10) EXPECTED OUTCOMES OF THE INTERNSHIP. THE APPENDIXES CONTAIN A LIST OF REFERENCE MATERIALS, AND THE REQUIRED SEMINARS AND ASSIGNMENTS. (DM)

VT 007 351
STUDENT TEACHING MANUAL.

CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. BUREAU OF AGRICULTURAL EDUCATION
PUB DATE - 68 40P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; COLLEGE STUDENTS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; COOPERATING TEACHERS; PRESERVICE EDUCATION

ABSTRACT - DESIGNED PRIMARILY FOR USE BY STUDENT TEACHERS AND SUPERVISING TEACHERS IN CALIFORNIA VOCATIONAL AGRICULTURE DEPARTMENTS, THIS MANUAL ALSO IS FOR USE BY ADMINISTRATORS OF LOCAL COOPERATING SCHOOLS AND BY MEMBERS OF THE STATE SUPERVISORY STAFF IN AGRICULTURAL EDUCATION. THE FINAL DRAFT OF THIS PUBLICATION RESULTED FROM THE COOPERATIVE EFFORT OF SUPERVISING TEACHERS, TEACHER EDUCATORS, AND STATE SUPERVISORS. THE CONTENT INCLUDES: (1) A BLANK CALENDAR OF EVENTS, (2) INSTRUCTIONS TO THE STUDENT TEACHERS, (3) LOCAL DEPARTMENT RESPONSIBILITIES, (4) A CHECKLIST OF PARTICIPATING EXPERIENCES, (5) REPORT AND EVALUATION FORMS, AND (6) INFORMATION FOR CREDENTIAL APPLICATION. (DM)

VT 007 357
MINNESOTA TEACHING AIDS PROJECTS PLANS .

MINNESOTA UNIV., ST. PAUL. INST. OF AGRICULTURE
BULLETIN ROOM, COFFEY HALL, UNIVERSITY OF MINNESOTA, ST. PAUL, MINNESOTA 55101 (EACH PROJECT PLAN IS ASSEMBLED INTO PADS OF 25 COPIES AT A COST OF $.60 PER PAD, EXCEPT FOR THE EYEBOLT AND CHISEL PLAN WHICH ARE $1.75 A PAD).
PUB DATE - ND 42P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *REFERENCE MATERIALS; *AGRICULTURAL ENGINEERING; *INDUSTRIAL ARTS; *STUDENT PROJECTS; SCHOOL SHOPS; SECONDARY GRADES

ABSTRACT - DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS AND A TEACHER EDUCATOR, THIS HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENT REFERENCE IS FOR USE IN AGRICULTURAL MECHANICS OR INDUSTRIAL ARTS CLASSES IN COMPREHENSIVE HIGH SCHOOLS OR AREA VOCATIONAL SCHOOLS. INFORMATION INCLUDED WITH EACH OF THE 37 PROJECTS INCLUDES A DETAILED DRAWING, A LIST OF MATERIALS, CONSTRUCTION PROCEDURES, OBJECTIVES, AND AN EVALUATION SCORE SHEET. SOME OF THE PLANS ARE: (1) EYEBOLT AND CHISEL, (2) DRAWBAR HITCH PIN, (3) CENTER PUNCH, (4) FEED SCOOP, (5) TOOL SHARPENING GAUGE, (6) SHARPEN TWIST DRILL, (7) CONCRETE FLOAT, (8) CHIPPING HAMMER, (9) CONCRETE HOG TROUGH, (10) SAWHORSE, (11) NAIL AND TOOL CARRIER, (12) SHOP STAND, (13) EXTENSION CORD STAND, (14) HOSE HANGER, (15) COPPER TUBING EXERCISE, (16) PIPE EXERCISE, (17) FUNNEL, (18) ADJUSTABLE GAS WELDING STAND, (19) STORAGE OF SMALL ENGINES, AND (20) CLEAN AND SERVICE ELECTRIC MOTORS. (DM)

VT 007 368 ED 023 924
LANDSCAPE MAINTENANCE AND ESTABLISHMENT. A

TEACHER'S MANUAL . TEACHER EDUCATION SERIES, V9 N2T.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEC-5-85-014 08
BR-5-0022
PUB DATE - 68 125P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *LANDSCAPING; MANUALS; UNITS OF STUDY (SUBJECT FIELDS); ACHIEVEMENT TESTS

ABSTRACT - THIS TEACHER'S MANUAL IS ONE OF A SERIES OF INSTRUCTIONAL AIDS PREPARED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY. IT INCLUDES SUGGESTIONS AND REFERENCES FOR THE TEACHER TO USE WITH THE STUDENT MANUAL AVAILABLE AS VT 007 369. IN ADDITION TO THE SUBJECT MATTER IN THE STUDENT MANUAL, PAGES ARE INSERTED AT THE END OF EACH PROBLEM AREA CONTAINING SUGGESTIONS, REFERENCES, RESOURCE PEOPLE, AUDIOVISUAL AIDS, SUGGESTED LEARNING ACTIVITIES, SUGGESTED PLACEMENT EXPERIENCES, AND A QUIZ. A UNIT EXAMINATION IS AVAILABLE AT THE END OF THE DOCUMENT. (DM)

VT 007 369 ED 023 925
LANDSCAPE MAINTENANCE AND ESTABLISHMENT. A STUDENT HANDBOOK . TEACHER EDUCATION SERIES, V9 N2S.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEC-5-85-014 08
BR-5-0022
PUB DATE - 68 107P.

DESCRIPTORS - *REFERENCE MATERIALS; MANUALS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *LANDSCAPING; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS STUDENT HANDBOOK IS ONE OF A SERIES OF INSTRUCTIONAL AIDS PREPARED AND EDITED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY. ITS ORGANIZATION AND CONTENT WERE FIELD TESTED, EVALUATED, AND IMPROVED BY TEACHERS ATTENDING SUMMER INSTITUTES IN ORNAMENTAL HORTICULTURE IN 1966 AND 1967. THE CONTENT INCLUDES PROBLEM AREAS OF EXPLORING OPPORTUNITIES IN LANDSCAPING AND ESTABLISHMENT, LANDSCAPE MAINTENANCE, AND LANDSCAPE ESTABLISHMENT. EACH PROBLEM AREA LISTS OBJECTIVES, KEY QUESTIONS, NEW WORDS, AND SUBJECT CONTENT. THE TEXTUAL MATERIAL IS SUPPLEMENTED WITH PHOTOGRAPHS, SKETCHES, DRAWINGS, AND A REFERENCE LIST. THE APPENDIX CONTAINS CHECK LISTS FOR SELECTING PLANT MATERIALS AND WINTER LANDSCAPE MAINTENANCE, LANDSCAPE SYMBOLS, DIAGNOSTIC SHEETS FOR UNHEALTHY PLANTS, ADDRESSES FOR AGRICULTURAL EXTENSION PUBLICATION SERVICES, AND PLANT MATERIAL IDENTIFICATION AND CLASSIFICATION. APPLICATIONS RELATE TO THE NORTHEASTERN UNITED STATES. THE TEACHER'S MANUAL IN THIS SERIES IS AVAILABLE AS VT 007 368. (DM)

VT 007 403
STUDENT TEACHING MANUAL.

COLORADO STATE UNIV., FORT COLLINS. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - ND 24P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; COOPERATING TEACHERS; PRESERVICE EDUCATION; VOCATIONAL AGRICULTURE TEACHERS; TEACHING PROCEDURES

ABSTRACT - THIS MIMEOGRAPHED GUIDE FOR STUDENT TEACHING WAS PREPARED BY THE AGRICULTURAL EDUCATION STAFF AND INCLUDES: (1) BECOMING ACQUAINTED WITH THE SCHOOL PROGRAM AND COMMUNITY, (2) ESTABLISHING AND MAINTAINING DESIRABLE SCHOOL AND COMMUNITY RELATIONSHIPS, (3) ANALYZING THE COMMUNITY NEEDS FOR AGRICULTURAL INSTRUCTION, (4) PLANNING AND CONDUCTING AN INSTRUCTIONAL PROGRAM FOR ALL-DAY STUDENTS, (5) PLANNING AND CONDUCTING A PROGRAM OF FARM MECHANICS, (6) PLANNING, DEVELOPING AND SUPERVISING THE FARMING PROGRAMS, (7) ADVISING FUTURE FARMERS OF AMERICA CHAPTER ACTIVITIES, (8) GUIDING AND COUNSELING STUDENTS, (9) ORGANIZING AND CONDUCTING A YOUNG FARMER PROGRAM, (10) ORGANIZING AND CONDUCTING AN ADULT FARMER PROGRAM, (11) PLANNING AND MAINTAINING ADEQUATE INSTRUCTIONAL FACILITIES, (12) ADMINISTERING THE AGRICULTURAL DEPARTMENT, (13) KEEPING MEANINGFUL RECORDS AND PREPARING REPORTS, (14) EVALUATING THE OUTCOME OF THE AGRICULTURAL INSTRUCTION PROGRAM, AND (15) PLANNING AND CARRYING OUT A PROGRAM OF TRAINEE SELF-IMPROVEMENT. A MANUAL FOR SUPERVISORS OF STUDENT TEACHERS IS AVAILABLE AS VT 011 457 (ARM WINTER 1969). (DM)

VT 007 405
VOCATIONAL HORTICULTURE AND AREA VOCATIONAL CENTERS.

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS
PUB DATE - ND 16P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *GUIDELINES; *PROGRAM DEVELOPMENT; PROGRAM DESCRIPTIONS; AREA VOCATIONAL SCHOOLS; HIGH SCHOOL STUDENTS

ABSTRACT - TO PROVIDE A SYSTEMATIC APPROACH FOR DIRECTORS, INSTRUCTORS, OR GOVERNING BODIES OF AREA VOCATIONAL CENTERS AS THEY EXPLORE THE FEASIBILITY OF ESTABLISHING VOCATIONAL HORTICULTURE PROGRAMS, THIS GUIDE GIVES SUGGESTIONS IN AREAS OF: (1) PLANNING, (2) RATIONALE, (3) OCCUPATIONAL OPPORTUNITY, (4) PROGRAMS, (5) OBJECTIVES, (6) TIME ALLOTMENT, (7) GRADE LEVEL, (8) PERSONS TO BE SERVED, (9) SUPPORTING VOCATIONAL SERVICES, (10) GUIDELINES, (11) COURSE INTRODUCTION, AND (12) INSTRUCTIONAL AREAS OR COURSES. COURSE CONTENT IS SUGGESTED FOR: (1) INTRODUCTION TO HORTICULTURE OCCUPATIONS, (2) GREENHOUSE PRODUCTION AND MANAGEMENT, (3) NURSERY, (4) TURF, (5) LANDSCAPING, (6) RETAIL FLORAL, AND (7) FRUIT AND VEGETABLE. THE OCCUPATIONAL CLUSTERS IN VOCATIONAL HORTICULTURE ARE OUTLINED. (DM)

VT 007 406
VOCATIONAL AGRICULTURE SUMMER EXPERIENCE MANUAL.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION
VOTEC 275
PUB DATE - ND 28P.

DESCRIPTORS - *STUDENT TEACHING; *STUDENT TEACHERS; *MANUALS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; SUMMER PROGRAMS; COOPERATING TEACHERS; VOCATIONAL AGRICULTURE TEACHERS; PRESERVICE EDUCATION

ABSTRACT - THIS MIMEOGRAPHED GUIDE FOR STUDENT TEACHING WAS DESIGNED TO SERVE AS AN AID IN CLARIFYING ACTIVITIES IN THE TRAINING CENTER AND TO ASSIST IN PLANNING A PROGRAM TO ADEQUATELY PREPARE STUDENTS FOR TEACHING. THE CONTENT OF THIS SUMMER EXPERIENCE MANUAL INCLUDES: (1) A DESCRIPTION OF SUMMER EXPERIENCE IN AGRICULTURAL EDUCATION, (2) THE OBJECTIVES, (3) GENERAL SUGGESTIONS, (4) INFORMATION AND FORMS, AND (5) A DESCRIPTION OF INDIVIDUAL ACTIVITY. A RELATED STUDENT-TEACHER MANUAL IS AVAILABLE AS VT 007 433 (ALSO IN THIS ISSUE). (DM)

VT 007 415
STUDENT TEACHING MANUAL.

NEW MEXICO STATE UNIV., LAS CRUCES. AGRICULTURAL AND EXTENSION EDUCATION DEPT.
PUB DATE - ND 46P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *EXTENSION EDUCATION; TEACHER EDUCATION; COOPERATING TEACHERS; PRESERVICE EDUCATION; COLLEGE STUDENTS; VOCATIONAL AGRICULTURE TEACHERS; EXTENSION AGENTS

ABSTRACT - THIS MIMEOGRAPHED GUIDE FOR STUDENT TEACHING CONTAINS: (1) INSTRUCTIONS FOR THE STUDENT TEACHER, (2) SUGGESTIONS FOR THE SUPERVISING TEACHER, (3) CHECK LIST OF PARTICIPATING EXPERIENCES FOR STUDENT TEACHERS IN VOCATIONAL AGRICULTURE, (4) REPORTS AND EVALUATION, AND (5) A GUIDE FOR STUDENT TEACHERS IN DIRECTED TEACHING IN AGRICULTURAL EXTENSION EDUCATION. MUCH OF THE MATERIAL IN THIS DOCUMENT WAS ADAPTED FROM THE STUDENT TEACHING MANUAL IN CALIFORNIA (VT 007 351). (DM)

VT 007 416
FIELD EXPERIENCES IN AGRICULTURAL EDUCATION. A HANDBOOK FOR TRAINEES. TEACHERS GUIDE SERIES NO. 1.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
PUB DATE - JUN67 70P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *EXTENSION EDUCATION; TEACHER EDUCATION; VOCATIONAL AGRICULTURE TEACHERS; EXTENSION AGENTS; COOPERATING TEACHERS; PRESERVICE EDUCATION; COLLEGE STUDENTS

ABSTRACT - THIS PRINTED GUIDE FOR STUDENT TEACHING IN AGRICULTURAL EDUCATION WAS DESIGNED FOR STUDENTS PREPARING FOR POSITIONS IN VOCATIONAL AGRICULTURE, AGRICULTURAL EXTENSION, OTHER AGRICULTURAL AGENCIES, AND AGRICULTURAL MISSIONS. THE CURRICULUM IS ALSO APPROPRIATE FOR THOSE WHO WISH TO BECOME ENGAGED IN THE EDUCATIONAL WORK OF AGRICULTURAL INDUSTRY, AGRICULTURAL COMMERCE, AND PUBLIC RELATIONS. THE DOCUMENT WAS PREPARED BY A TEACHER EDUCATOR IN COOPERATION WITH GRADUATE RESEARCH ASSISTANTS. IT IS ORGANIZED INTO SECTIONS OF: A PREVIEW AND PREPARATION FOR FIELD EXPERIENCE, STUDENT TEACHING IN AGRICULTURE, AND AGRICULTURAL EDUCATION EXPERIENCE. INFORMATION IS CONTAINED FOR USE BY STUDENTS AND SUPERVISING TEACHERS DOING BOTH STUDENT TEACHING IN VOCATIONAL AGRICULTURE AND COOPERATIVE EXTENSION WORK. NECESSARY REPORT AND EVALUATION FORMS ARE INCLUDED. A SUPPLEMENT TO THIS DOCUMENT WITH MORE DETAILED LISTINGS OF PROFESSIONAL EXPERIENCES IS AVAILABLE AS VT 007 417 (IN THIS ISSUE). (DM)

VT 007 417
PROFESSIONAL EXPERIENCES FOR MAJORS IN AGRICULTURAL EDUCATION.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. VOCATIONAL AGRICULTURE SERVICE
PUB DATE - ND 14P.

DESCRIPTORS - STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *EXTENSION EDUCATION; VOCATIONAL AGRICULTURE TEACHERS; EXTENSION AGENTS; COOPERATING TEACHERS; *PRESERVICE EDUCATION; TEACHER EDUCATION

ABSTRACT - PROFESSIONAL EXPERIENCES IN VOCATIONAL AGRICULTURE AND COOPERATIVE EXTENSION ARE ARRANGED IN RATING FORM TO SERVE AS A GUIDE FOR PLANNING, RECORDING, AND EVALUATING STUDENT TEACHER PROGRESS DURING HIS FIELD EXPERIENCE PROGRAM. EXPERIENCE IN THE CHECK LIST ARE ITEMIZED IN AREAS OF: (1) TEACHING HIGH SCHOOL CLASSES, (2) OCCUPATIONAL EXPERIENCE IN AGRICULTURE, (3) GENERAL SCHOOL, (4) GUIDANCE AND COUNSELING, (5) FUTURE FARMERS OF AMERICA, (6) PHYSICAL FACILITIES, (7) YOUNG AND ADULT FARMER PROGRAMS, (8) PROGRAM PLANNING, (9) COMMUNITY AND PUBLIC RELATIONS, (10) EXTENSION PLANNING AND ACTIVITIES, (11) EXTENSION YOUTH PROGRAMS, (12) EXTENSION ADULT PROGRAMS, (13) EXTENSION TEACHING METHODS, AND (14) EXTENSION PROFESSIONAL RELATIONSHIPS. THE DOCUMENT IS MIMEOGRAPHED. (DM)

VT 007 433
VOCATIONAL AGRICULTURE STUDENT TEACHER MANUAL. VOTEC 276.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION
PUB DATE - ND 46P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *TEACHER EDUCATION; VOCATIONAL AGRICULTURE TEACHERS; COOPERATING TEACHERS; PRESERVICE

EDUCATION; INTERPROFESSIONAL RELATIONSHIP

ABSTRACT - THIS MIMEOGRAPHED GUIDE FOR STUDENT TEACHING CONTAINS: (1) A DESCRIPTION OF STUDENT TEACHING, (2) OBJECTIVES, (3) GENERAL SUGGESTIONS, AND (4) REPORTS AND FORMS. A RELATED DOCUMENT SERVING AS A GUIDE FOR SUMMER EXPERIENCE IN AGRICULTURAL EDUCATION IS AVAILABLE AS VT 007 406 (IN THIS ISSUE). (DM)

VT 007 495
OKLAHOMA VOCATIONAL AGRICULTURE; BASIC CORE CURRICULUM FOR VOCATIONAL AGRICULTURE I, II, III, IV .

OKLAHOMA STATE DEPT. OF VOCATIONAL-TECHNICAL EDUCATION, STILLWATER
PUB DATE - 68 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STATE CURRICULUM GUIDES; *PRODUCTION AGRICULTURE; HIGH SCHOOLS; CURRICULUM GUIDES
IDENTIFIERS - OKLAHOMA

ABSTRACT - THIS CURRICULUM GUIDE IS DESIGNED TO PROVIDE A UNIFORM CORE OF BASIC INSTRUCTION IN PRODUCTION AGRICULTURE IN OKLAHOMA. APPROXIMATELY 120 PERIODS OF EACH SCHOOL YEAR ARE OUTLINED FOR INSTRUCTION IN THE BASIC AREAS OF ORIENTATION, LEADERSHIP, SUPERVISED TRAINING PROGRAMS, ANIMAL SCIENCE, AGRONOMY, AGRICULTURAL MECHANICS, CAREER PLANNING, AND FARM BUSINESS MANAGEMENT. THE REMAINING 60 PERIODS OF THE SCHOOL YEAR ARE FOR DEVELOPMENT BY THE INSTRUCTOR TO MEET THE NEEDS OF THE LOCAL COMMUNITY. THE NUMBER OF CLASS PERIODS RECOMMENDED FOR EACH YEAR BY SUBJECT AREA ARE INCLUDED. A PIE GRAPH ILLUSTRATES THE SUBJECT BREAKDOWN BY YEAR. (DM)

VT 007 505
A GUIDE FOR PLANNING AND ORGANIZING OCCUPATIONAL PROGRAMS IN CONSERVATION .

NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT
PUB DATE - 68 41P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *PROGRAM PLANNING; *OFF FARM AGRICULTURAL OCCUPATIONS; *CONSERVATION EDUCATION; *PROGRAM GUIDES; CURRICULUM GUIDES; INSTRUCTIONAL MATERIALS; EDUCATIONAL EQUIPMENT; EDUCATIONAL FACILITIES; INFORMATION SOURCES

ABSTRACT - DESIGNED AS A RESOURCE INSTRUMENT FOR SCHOOL ADMINISTRATORS, DIRECTORS OF OCCUPATIONAL EDUCATION, AGRICULTURAL INSTRUCTORS, AND OTHERS CONCERNED WITH ESTABLISHMENT OF CONSERVATION PROGRAMS, THIS PROGRAM GUIDE CONTAINS SUGGESTIONS FOR DEVELOPMENT OF COURSES CONCERNED WITH PRESERVING, IMPROVING, AND UTILIZING NATURAL RESOURCES. THE CONTENT INCLUDES: (1) PLANNING PROGRAMS IN CONSERVATION, (2) DEVELOPING THE COURSE OF STUDY FOR CONSERVATION, (3) SUGGESTIONS FOR PLANNING THE FACILITIES NEEDED IN CONSERVATION PROGRAMS, (4) SUGGESTIONS FOR DEVELOPING LISTS OF NEEDED EQUIPMENT AND SUPPLIES, AND (5) SELECTING INSTRUCTIONAL MATERIALS. THE RECOMMENDED AREAS FOR THE COURSE OF STUDY ARE: FORESTRY, WILDLIFE MANAGEMENT, OUTDOOR RECREATION, SOIL AND WATER MANAGEMENT, SOIL SCIENCE, CROP SCIENCE, CONSERVATION MECHANICS, CONSERVATION BUSINESS MANAGEMENT, AND LEADERSHIP DEVELOPMENT. SUGGESTIONS ARE INCLUDED FOR PUPIL SELECTION, AREAS OF OCCUPATIONAL EMPHASIS AND OPTIONS FOR COURSE ORGANIZATION. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS. (DM)

VT 007 533
PETERSON, MILO, AND OTHERS
SMALL ENGINE SERVICE, REPAIR AND MAINTENANCE FOR VOCATIONAL AGRICULTURE INSTRUCTORS. RESOURCE UNIT .

MINNESOTA UNIV., ST. PAUL
PUB DATE - 68 23P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ENGINES; UNITS OF STUDY (SUBJECT FIELDS); *ANSWER KEYS; *RESOURCE MATERIALS; EDUCATIONAL EQUIPMENT; FARM MECHANICS (OCCUPATION); SECONDARY EDUCATION; POST SECONDARY EDUCATION

ABSTRACT - DEVELOPED AS AN INSTRUCTIONAL AID TO ASSIST THE TEACHER IN PLANNING, CONDUCTING AND EVALUATING A SMALL ENGINE SERVICE, REPAIR AND MAINTENANCE UNIT THIS REFERENCE IS FOR USE WITH BOTH BOYS PLANNING TO RETURN TO THE FARM AND THOSE PLANNING TO BECOME SERVICE TECHNICIANS. THE CONTENT INCLUDES: (1) INTRODUCTION, (2) GENERAL OBJECTIVES, (3) ENGINE AND STORAGE UNITS, (4) BASIC TOOLS, (5) SPECIAL AND OPTIONAL TOOLS, (6) REQUIRED BOOKS AND VISUAL AIDS, (7) LIBRARY REFERENCES, (8) DEMONSTRATION PROJECTS, (9) DISPLAY AND DEMONSTRATION MATERIALS, (10) SMALL ENGINE COMPANIES, AND (11) ANSWERS TO LESSONS IN STUDENT WORKBOOK. TEACHERS SHOULD HAVE A MECHANICAL APTITUDE AND INTEREST AND HOLD A BACHELOR'S DEGREE. THE STUDENT WORKBOOK FOR USE WITH THIS RESOURCE UNIT IS ANNOUNCED AS VT 007 534. (DM)

VT 007 534
SMALL ENGINE SERVICE, REPAIR, AND MAINTENANCE. STUDENT WORK BOOK FOR VOCATIONAL AGRICULTURE .

MINNESOTA UNIV., ST. PAUL
PUB DATE - 68 41P.

DESCRIPTORS - *ENGINES; *VOCATIONAL AGRICULTURE; *WORKBOOKS; *AGRICULTURAL ENGINEERING; FARM MECHANICS (OCCUPATION); SECONDARY EDUCATION; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED AS A WORKBOOK FOR USE IN THE CLASSROOM AND LABORATORY IN AGRICULTURAL MECHANICS CLASSES, THIS REFERENCE IS FOR THOSE BOYS RETURNING TO A FARM AND THOSE PLANNING TO BECOME SERVICE TECHNICIANS. OBJECTIVES AND STUDY AND DISCUSSION QUESTIONS ARE PROVIDED FOR LESSONS OF: (1) PRINCIPLES OF THE TWO-STROKE CYCLE ENGINE, (2) PRINCIPLES OF THE FOUR-STROKE CYCLE ENGINE, (3) AIR CLEANER, (4) CARBURETION, (5) MEASURING DEVICES, (6) SPARK PLUGS, (7) COOLING SYSTEMS, (8) ENGINE SPEED CONTROL, (9) ENGINE INSPECTION REPORT, (10) MAGNETO IGNITION SYSTEM, (11) BATTERY IGNITION SYSTEM, (12) ENGINE VALVES, (13) FOUR-CYCLE VALVE TIMING, (14) ENGINE CRANKSHAFT, (15) CONNECTING RODS AND BEARINGS, (16) PISTONS, (17) RINGS, (18) FUELS AND LUBRICANTS, (19) TORQUE WRENCH, (20) HORSEPOWER DETERMINATION, (21) ENGINE TROUBLESHOOTING, AND (22) OFF SEASON STORAGE. TEACHERS SHOULD HAVE A MECHANICAL APTITUDE AND INTEREST AND HAVE A BACHELOR'S DEGREE. THE RESOURCE UNIT FOR USE WITH THIS WORKBOOK IS ANNOUNCED AS VT 007 533. AN EXPLANATION OF ENGINE TERMINOLOGY IS PROVIDED IN THE APPENDIX. (DM)

VT 007 535
SUMNER, DOUGLAS
CORN PLANTER SERVICE, REPAIR AND MAINTENANCE FOR VOCATIONAL AGRICULTURE INSTRUCTION. RESOURCE UNIT .

MINNESOTA UNIV., ST. PAUL
PUB DATE - 68 25P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL MACHINERY; *VOCATIONAL AGRICULTURE; AGRICULTURAL ENGINEERING; AGRICULTURAL MACHINERY OCCUPATIONS; *FARM MECHANICS (OCCUPATION); RESOURCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - CORN PLANTERS

ABSTRACT - DEVELOPED AS A REFERENCE FOR TEACHER AND STUDENT USE IN AGRICULTURAL MECHANICS CLASSES, THIS DOCUMENT IS FOR BOYS RETURNING TO THE FARM AND THOSE PLANNING TO BECOME AGRICULTURAL MACHINERY SERVICE TECHNICIANS IN THE MIDWEST. SECTIONS OF THE MANUAL CONTAIN: (1) AN INTRODUCTION TO UNIT OBJECTIVES, (2) SUGGESTIONS TO THE INSTRUCTOR, (3) ECONOMICS OF CORN PRODUCTION, (4) PRINCIPLES OF CORN PLANTERS, (5) LUBRICATION AND ADJUSTMENT, (6) SEASONAL CARE AND SAFETY, (7) CALCULATION OF CORN POPULATION, (8) CALIBRATION OF THE PLANTER, AND (9) SPECIAL ATTACHMENTS. SUGGESTED AUDIO-VISUAL AIDS AND REFERENCES ARE CONTAINED IN THE DOCUMENT. EACH LESSON HAS OBJECTIVES, AN INTRODUCTION, STUDY AND DISCUSSION QUESTIONS, AND ADDITIONAL ACTIVITIES. TEACHERS SHOULD HAVE A MECHANICAL APTITUDE AND INTEREST AND HAVE A BACHELOR'S DEGREE. THE STUDENT WORKBOOK FOR USE WITH THE RESOURCE UNIT IS ANNOUNCED AS VT 007 536. (DM)

VT 007 536
SUMNER, DOUGLAS
CORN PLANTER SERVICE, REPAIR AND MAINTENANCE. STUDENT WORKBOOK FOR VOCATIONAL AGRICULTURE .

MINNESOTA UNIV., ST. PAUL
PUB DATE - 68 16P.

DESCRIPTORS - *WORKBOOKS; *AGRICULTURAL MACHINERY; *VOCATIONAL AGRICULTURE; AGRICULTURAL ENGINEERING; AGRICULTURAL MACHINERY OCCUPATIONS; *FARM MECHANICS (OCCUPATION); UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - CORN PLANTERS

ABSTRACT - DEVELOPED AS A WORKBOOK FOR AGRICULTURAL MECHANICS CLASSES IN HIGH SCHOOLS AND POST-HIGH SCHOOL INSTITUTIONS, THIS CLASSROOM AND LABORATORY REFERENCE IS FOR USE BY BOYS RETURNING TO THE FARM AND PLANNING TO BECOME AGRICULTURAL MACHINERY SERVICE TECHNICIANS. IT CONTAINS LESSONS RELATING TO: (1) ECONOMICS OF THE CORN PLANTER, (2) PRINCIPLES OF CORN PLANTERS, (3) LUBRICATION AND ADJUSTMENT, (4) SEASONAL CARE AND SAFETY, (5) CALCULATION OF CORN POPULATION, (6) CALIBRATION OF A CORN PLANTER, AND (7) SPECIAL ATTACHMENTS. EACH UNIT CONTAINS STUDENT OBJECTIVES AND STUDY AND DISCUSSION QUESTIONS. TEACHERS SHOULD HAVE A MECHANICAL APTITUDE AND INTEREST AND HAVE A BACHELOR'S DEGREE. SUPPLEMENTAL REFERENCE MATERIAL IS NECESSARY. A RESOURCE UNIT FOR THIS WORKBOOK IS ABSTRACTED AS VT 007 535. (DM)

VT 007 538
RESOURCE UNIT. COMBINE SERVICE, REPAIR, AND MAINTENANCE FOR VOCATIONAL AGRICULTURE INSTRUCTION .

MINNESOTA UNIV., ST. PAUL
PUB DATE - 68 22P.

DESCRIPTORS - *RESOURCE MATERIALS; *ANSWER KEYS; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; FARM MECHANICS (OCCUPATION); SECONDARY EDUCATION; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED AS A RESOURCE UNIT FOR USE BY TEACHERS AND STUDENTS IN AGRICULTURAL MECHANICS CLASSES, THIS REFERENCE IS FOR BOTH BOYS RETURNING TO A FARM AND THOSE PLANNING TO BECOME SERVICE TECHNICIANS. SECTIONS ARE: (1) INTRODUCTION, (2) OBJECTIVES, (3) REFERENCES AND VISUAL AIDS, (4) DISPLAY SUGGESTIONS, (5) SPECIAL TOOLS, (6) DEMONSTRATION TOPICS, (7) SUPPLEMENTARY TEXT FOR LESSON I, AND (8) ANSWERS TO STUDENT WORKBOOK. TEACHERS SHOULD HAVE A MECHANICAL APTITUDE AND INTEREST AND A BACHELOR'S DEGREE. THE WORKBOOK FOR USE WITH THIS UNIT IS ANNOUNCED AS VT 007 539. (DM)

VT 007 539
COMBINE SERVICE, REPAIR AND MAINTENANCE. STUDENT WORKBOOK FOR VOCATIONAL AGRICULTURE .

MINNESOTA UNIV., ST. PAUL
PUB DATE - 68 22P.

DESCRIPTORS - *WORKBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY OCCUPATIONS; FARM MECHANICS (OCCUPATION); *AGRICULTURAL MACHINERY; SECONDARY EDUCATION; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED FOR USE AS A STUDENT WORKBOOK IN AGRICULTURAL MECHANICS CLASSES, THIS REFERENCE IS FOR BOTH BOYS RETURNING TO A FARM AND THOSE PLANNING TO BECOME SERVICE TECHNICIANS. OBJECTIVES AND STUDY AND DISCUSSION QUESTIONS ARE PROVIDED FOR SIX

LESSONS IN AREAS OF: (1) COMBINE HISTORY, SELECTION AND OWNERSHIP COST, (2) COMBINE FUNDAMENTALS AND SAFETY, (3) COMBINE FIELD LOSSES, (4) COMBINE ADJUSTMENT, (5) COMBINE SERVICE AND MAINTENANCE, AND (6) COMBINE OFF-SEASON STORAGE. THE RESOURCE UNIT ANNOUNCED AS VT 007 538 IS NECESSARY FOR USE WITH THIS WORKBOOK. (DM)

VT 007 557
KRECH, EMERY, AND OTHERS
FIELD MOWER SERVICE, REPAIR AND MAINTENANCE STUDENT WORKBOOK FOR VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL
PUB DATE - 68 17P.

DESCRIPTORS - *WORKBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *EQUIPMENT MAINTENANCE; FARM MECHANICS (OCCUPATION); *AGRICULTURAL MACHINERY; SECONDARY GRADES; POST SECONDARY EDUCATION; ILLUSTRATIONS
IDENTIFIERS - *FIELD MOWERS

ABSTRACT - DEVELOPED FOR HIGH SCHOOL STUDENTS IN VOCATIONAL AGRICULTURE, THIS REPAIR AND MAINTENANCE WORKBOOK CONTAINS SECTIONS ON: (1) SELECTION OF MOWERS, (2) MACHINE PARTS AND FUNCTIONS, (3) OPERATION AND ADJUSTMENTS, (4) REPAIRS AND ADJUSTMENTS, (5) SAFETY, AND (6) SEASONAL STORAGE AND CARE. EACH LESSON CONTAINS OBJECTIVES AND STUDY AND DISCUSSION QUESTIONS AND IS ILLUSTRATED WITH LINE DRAWINGS. THIS WORKBOOK SHOULD BE USED IN CONJUNCTION WITH "SELECTION AND MAINTAINING FIELD MOWERS," BY THE AMERICAN ASSOCIATION OF AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, WHICH APPEARED IN AIM, WINTER, 1968 AS VT 006 583, AND A FACT SHEET PREPARED BY THE UNIVERSITY OF MINNESOTA. (DM)

VT 007 558
ROEHL, GILES, AND OTHERS
STUDENT WORKBOOK FOR QUALITY CONCRETE.

MINNESOTA UNIV., ST. PAUL.
PUB DATE - ND 25P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *STUDY GUIDES; *WORKBOOKS; *BUILDING MATERIALS; POST SECONDARY EDUCATION; SECONDARY EDUCATION
IDENTIFIERS - *CONCRETE

ABSTRACT - DESIGNED TO COVER THE BASICS OF GOOD CONCRETE AND PROPER WORKMANSHIP, THIS STUDENT WORKBOOK IS FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE AND POST-HIGH SCHOOL CLASSES IN AGRICULTURAL MECHANICS. THE LESSONS, EACH CONTAINING OBJECTIVES AND STUDY AND DISCUSSION QUESTIONS, ARE: (1) GETTING ACQUAINTED WITH CONCRETE, (2) CONCRETE USES, (3) HISTORY OF PORTLAND CEMENT, (4) MIXING WATER FOR CONCRETE, (5) AGGREGATES FOR CONCRETE, (6) AIR ENTRAINED CONCRETE, (7) SELECTION AND DESIGN OF CONCRETE MIXES, (8) QUALITY READY MIXED CONCRETE, (9) JOB MIXING CONCRETE, (10) TOOLS FOR PLACING AND FINISHING CONCRETE, (11) PLACING CONCRETE, (12) FINISHING CONCRETE SLABS, (13) CURING CONCRETE, (14) JOINTS FOR FLAT CONCRETE WORK, (15) REINFORCEMENT FOR CONCRETE, AND (16) CONCRETING DURING EXTREME WEATHER CONDITIONS. THE APPENDIX TO THE DOCUMENT CONTAINS DEFINITIONS OF SPECIALIZED TERMINOLOGY. AN INSTRUCTOR'S GUIDE IS AVAILABLE AS VT 008 415 (AIM WINTER 1969). (DM)

VT 007 559
A HANDBOOK FOR STUDENT TEACHERS AND SUPERVISING TEACHERS IN AGRICULTURE OCCUPATIONS.

ILLINOIS STATE UNIV., NORMAL. DEPT. OF AGRICULTURE
PUB DATE - 69 54P.

DESCRIPTORS - *STUDENT TEACHING; *MANUALS; *AGRICULTURAL EDUCATION; *PRESERVICE EDUCATION; *TEACHER ORIENTATION; SCHOOL ACTIVITIES; VOCATIONAL AGRICULTURE TEACHERS; TEACHER RESPONSIBILITY; TEACHER EDUCATION; COOPERATING TEACHERS; STUDENT TEACHERS; TEACHER EVALUATION
IDENTIFIERS - ILLINOIS

ABSTRACT - THIS HANDBOOK WAS PREPARED TO HELP SUPERVISING AND STUDENT TEACHERS ORGANIZE THEIR ACTIVITIES DURING THE SUMMER STUDENT TEACHING EXPERIENCES, INCLUDING GETTING ESTABLISHED, DISCOVERING COMMUNITY NEEDS, DEVELOPING A COMMUNITY PROGRAM, TEACHING DAY GROUPS, TEACHING ADULT CLASSES, ADVISING YOUTH ORGANIZATIONS, GUIDANCE OF STUDENTS, ADMINISTERING A DEPARTMENT, AND IMPROVING PROFESSIONALLY; (2) AGRICULTURAL SKILLS AND ABILITIES FOR PROSPECTIVE TEACHERS; (3) GENERAL DIRECTIONS; AND (4) FIFTEEN FORMS FOR USE IN SUMMER EXPERIENCE AND STUDENT TEACHING. THE DOCUMENT IS MIMEOGRAPHED. (DM)

VT 007 596
MANUAL FOR STUDENT TEACHERS IN AGRICULTURAL EDUCATION. AGRICULTURAL EDUCATION SERIES, V1 N1.

MISSOURI UNIV., COLUMBIA
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. DIV. OF VOCATIONAL EDUCATION
PUB DATE - 69 50P.

DESCRIPTORS - *MANUALS; *STUDENT TEACHING; *AGRICULTURAL EDUCATION; *PRESERVICE EDUCATION; *TEACHER EDUCATION; STUDENT TEACHERS; COOPERATING TEACHERS; TEACHER RESPONSIBILITY; TEACHER ORIENTATION; TEACHER EVALUATION; SCHOOL ACTIVITIES; EDUCATIONAL POLICY
IDENTIFIERS - MISSOURI

ABSTRACT - PREPARED TO ASSIST SUPERVISING TEACHERS IN INTERPRETING THEIR DUTIES AND RESPONSIBILITIES IN VOCATIONAL AGRICULTURE TO THE STUDENT TEACHER, THIS MANUAL IS TO BE USED AS A GENERAL GUIDE BY SUPERVISING AND STUDENT TEACHERS IN PLANNING THE PROGRAM OF STUDENT TEACHING IN THEIR SCHOOLS. THE CONTENT INCLUDES: (1) PROFESSIONAL ETHICS FOR TEACHERS OF VOCATIONAL AGRICULTURE, (2) SUGGESTIONS FOR THE STUDENT TEACHER, (3) SUGGESTIONS FOR THE SUPERVISING TEACHER, (4) A CHECK LIST OF STUDENT ACTIVITIES AND EXPERIENCES, (5) FORMS AND REPORTS TO BE COMPLETED BY THE SUPERVISING TEACHER, AND (6) FORMS AND REPORTS TO BE COMPLETED BY THE

STUDENT TEACHER. (DM)

VT 007 597
HANDBOOK FOR STUDENT TEACHERS IN VOCATIONAL AGRICULTURE.

WISCONSIN STATE UNIV., RIVER FALLS. COLL. OF AGRICULTURE
PUB DATE - 68 26P.

DESCRIPTORS - *STUDENT TEACHERS; *STUDENT TEACHING; *MANUALS; *VOCATIONAL AGRICULTURE; *PRESERVICE EDUCATION; TEACHER EDUCATION; TEACHING GUIDES; COOPERATING TEACHERS; AGRICULTURAL EDUCATION; TEACHER ORIENTATION; TEACHER EVALUATION; TEACHER RESPONSIBILITY; SCHOOL ACTIVITIES
IDENTIFIERS - WISCONSIN

ABSTRACT - DESIGNED TO GIVE STUDENT TEACHERS A CLEAR UNDERSTANDING OF THE STUDENT TEACHING PROGRAM IN VOCATIONAL AGRICULTURE AT THE WISCONSIN STATE UNIVERSITY IN RIVER FALLS, THIS HANDBOOK CONTAINS: (1) THE OBJECTIVES OF STUDENT TEACHING, (2) AN OUTLINE OF THE STUDENT TEACHING PROGRAM, (3) A DESCRIPTION OF RELATIONSHIPS DURING STUDENT TEACHING, (4) ESSENTIAL COMPONENTS OF EFFECTIVE STUDENT TEACHING, (5) THE EVALUATION OF THE STUDENT TEACHER, AND (6) DUTIES AND RESPONSIBILITIES OF VOCATIONAL AGRICULTURE TEACHERS. THIS MIMEOGRAPHED DOCUMENT CONTAINS THE NECESSARY FORMS FOR LESSON PLANNING, STUDENT TEACHER OBSERVATIONS, AND STUDENT TEACHER EVALUATION. (DM)

VT 007 601
GUIDE FOR SUMMER EXPERIENCE FOR STUDENT TEACHERS IN AGRICULTURAL EDUCATION.

MARYLAND UNIV., COLLEGE PARK. DEPT. OF AGRICULTURAL AND EXTENSION EDUCATION
PUB DATE - ND 25P.

DESCRIPTORS - *MANUALS; WORKBOOKS; *AGRICULTURAL EDUCATION; *STUDENT TEACHERS; TEACHER ORIENTATION; SCHOOL ACTIVITIES; *STUDENT TEACHING; *SUMMER PROGRAMS; TEACHER EDUCATION; RECORDS (FORMS); TEACHER EVALUATION
IDENTIFIERS - MARYLAND

ABSTRACT - THIS GUIDE FOR SUMMER EXPERIENCE IS AN ADAPTATION OF ONE USED BY STUDENT TEACHERS AT NORTH CAROLINA STATE COLLEGE. INCLUDED ARE SUGGESTED EXPERIENCES TO BE GAINED BY A STUDENT TEACHER AS HE WORKS WITH A SUPERVISING TEACHER DURING THE WEEK PRIOR TO THE OPENING OF SCHOOL AND DURING THE FIRST WEEK OF SCHOOL. FORMS TO BE COMPLETED BY STUDENTS INCLUDE: (1) A COMMUNITY SURVEY, (2) NUMBER ENROLLED IN AGRICULTURE, (3) SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAMS IN AGRICULTURE, (4) RECORD OF SUPERVISING VISITS, (5) MEETINGS ATTENDED, (6) EVALUATION OF THEIR WEEK'S EXPERIENCE, (7) REPORT OF FIRST WEEK OF SCHOOL EXPERIENCES, (8) COURSE CALENDAR FOR FIRST YEAR CLASS, (9) MAJOR TEACHING OBJECTIVES FOR FIRST YEAR CLASS, (10) LESSON PLANNING FOR HIGH SCHOOL BOYS, AND (11) SUGGESTIONS FOR IMPROVING THE PROGRAM OF SUMMER PRACTICE. (DM)

VT 007 633 ED 025 666
TURNER, HOWARD
DEVELOPMENT OF A TEACHING TEXT OF CARE, OPERATION, MAINTENANCE AND REPAIR OF AIR-COOLED GASOLINE ENGINES .

GEORGIA UNIV., ATHENS
AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS. AGR. ENG. CENTER
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEC-2-6-000484-0235 08
BR-5-1335
PUB DATE - AUG68 43P.

DESCRIPTORS - *MATERIAL DEVELOPMENT; TEXTBOOKS; *VOCATIONAL AGRICULTURE; *TRADE AND INDUSTRIAL EDUCATION; *TEXTBOOK PREPARATION; TEXTBOOK EVALUATION; *SMALL ENGINE MECHANICS; AGRICULTURAL ENGINEERING; ENGINES; REPAIR; MAINTENANCE; ILLUSTRATIONS; INSTRUCTIONAL MATERIALS

ABSTRACT - OBJECTIVES OF A 2-VOLUME BOOK DEVELOPED AS A COMPREHENSIVE REFERENCE FOR TEACHERS AND A TEXT FOR STUDENTS ON SMALL GASOLINE ENGINES WERE THAT IT BE: (1) ORGANIZED FOR TEACHING, (2) COMPLETE IN DETAIL, (3) WELL ILLUSTRATED, (4) AUTHENTIC, (5) EDITED TO HIGH SCHOOL READING LEVEL, (6) CORRELATED WITH BASIC SCIENTIFIC PRINCIPLES, AND (7) EVALUATED BY EXPERTS AND THROUGH ACTUAL TEACHING EXPERIENCE BEFORE BEING PUBLISHED. EVALUATION OF THE PRELIMINARY DRAFT BY 22 TEACHERS UNDER ACTUAL CLASSROOM AND LABORATORY CONDITIONS REVEALED: (1) OPERATING AND SCIENTIFIC PRINCIPLES WERE EASY TO UNDERSTAND, (2) ADEQUATE INFORMATION WAS GIVEN TO EXPLAIN EACH SUBJECT, (3) FEW ERRORS WERE FOUND IN THE SUBJECT MATTER, (4) THE ILLUSTRATIONS WERE CLEAR AND UNDERSTANDABLE AND ADDED CLARITY, (5) THE LISTS OF TOOLS WERE ADEQUATE, (6) STUDENTS COMPLETED JOBS FROM THE INSTRUCTIONS GIVEN WITHOUT TEACHER ASSISTANCE, (7) TEACHER PREPARATION TIME WAS REDUCED BY 20 PERCENT, (8) STUDENT LEARNING SPEED WAS INCREASED BY AT LEAST 17 PERCENT, (9) THE STUDENTS' AVERAGE GRADES WERE 10 TO 12 PERCENT HIGHER, AND (10) EACH STUDENT NEEDED A COPY OF THE TEXT FOR EFFICIENT LEARNING. THE VOLUMES, PUBLISHED IN FOUR COLORS IN SUFFICIENT QUANTITY FOR NATIONAL AND INTERNATIONAL DISTRIBUTION, ARE AVAILABLE AS VT 006 206 AND VT 006 290. (DM)

VT 007 639
APPROVED PRACTICES FOR SHEEP .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.05).
PUB DATE - 68 5P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *REFERENCE MATERIALS; *ANIMAL SCIENCE; *AGRICULTURAL PRODUCTION; *SHEEP; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; SUPERVISED FARM PRACTICE

ABSTRACT - DEVELOPED UNDER INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALIST, TEACHER EDUCATORS, SUPERVISORS AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT REFERENCE IS FOR USE IN A PRODUCTION AGRICULTURE CLASS. PUPILS SHOULD BE OF AVERAGE ABILITY AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT INCLUDES: (1) GETTING STARTED WITH SHEEP, (2) SELECTING BREEDING ANIMALS, (3) BREEDING AND IMPROVING THE FLOCK, (4) PROVIDING PROPER HOUSING AND EQUIPMENT, (5) FEEDING BRED EWES, (6) FEEDING EWES DURING LACTATION, (7) CARING FOR EWES AND LAMBS, (8) PROVIDING FEED AND CARE DURING SUMMER, (9) CONTROLLING DISEASES AND PARASITES, (10) MARKETING, AND (11) KEEPING AND USING RECORDS. THESE APPROVED PRACTICES ARE FOR SELECTION BY THE STUDENT TO IMPROVE HIS OWN SHEEP ENTERPRISE. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE IN USING THIS COURSE IN HIGH SCHOOLS OR POST-HIGH SCHOOL INSTITUTIONS. (DM)

VT 007 640
APPROVED PRACTICES FOR DAIRY .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE.
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.05).
PUB DATE - 68 7P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *DAIRYMEN; *ANIMAL SCIENCE; CATTLE; SUPERVISED FARM PRACTICE; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS STUDENT REFERENCE IS FOR USE IN TEACHING PRODUCTION AGRICULTURE TO STUDENTS OF AVERAGE ABILITY WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT INCLUDES PRACTICES RELATING TO: (1) GETTING STARTED IN DAIRYING, (2) SELECTING THE DAIRY COW, (3) KEEPING AND USING RECORDS, (4) PROVIDING FACILITIES FOR DAIRY CATTLE, (5) FEEDING THE DAIRY HERD, (6) PRODUCING QUALITY MILK, (7) BREEDING AND IMPROVING, (8) CONTROLLING DISEASES AND PARASITES, (9) CARING FOR THE DRY COW, (10) CARING FOR THE COW AND CALF AT CALVING TIME, AND (11) RAISING THE DAIRY CALF. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE AND STUDENTS SHOULD BE GRADE 9 TO ADULT. (DM)

VT 007 641
APPROVED PRACTICES FOR BEEF .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.05).
PUB DATE - 68 5P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *ANIMAL SCIENCE; *CATTLE; SECONDARY GRADES; SUPERVISED FARM PRACTICE; ADULT FARMER EDUCATION

ABSTRACT - THIS LIST OF APPROVED PRACTICES IN BEEF PRODUCTION WAS DEVELOPED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. AGRICULTURE TEACHERS MAY USE THIS STUDENT REFERENCE WITH HIGH SCHOOL OR ADULT STUDENTS OF AVERAGE ABILITY WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVES. DOCUMENT SECTION HEADINGS ARE: (1) GETTING STARTED WITH BEEF, (2) SELECTING FOUNDATION STOCK, (3) SELECTING AND PURCHASING FEEDER CATTLE, (4) PROVIDING ADEQUATE HOUSING AND EQUIPMENT, (5) PROVIDING FEEDS AND PASTURES FOR BEEF CATTLE, (6) FEEDING AND MANAGING THE BREEDING HERD, (7) CARING FOR COW AND CALF AT CALVING TIME, (8) MANAGING AND CARING FOR THE YOUNG STOCK, (9) PREVENTING AND CONTROLLING DISEASES AND PARASITES, (10) FEEDING CATTLE FOR MARKET, (11) MARKETING BEEF CATTLE, AND (12) KEEPING AND ANALYZING RECORDS. (DM)

VT 007 642
APPROVED PRACTICES FOR SWINE .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.05).
PUB DATE - ND 68 5P

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *ANIMAL SCIENCE; *SWINE; SUPERVISED FARM PRACTICE; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED FOR USE BY STUDENTS AND TEACHERS WITH AN AGRICULTURAL PRODUCTION UNIT IN HIGH SCHOOLS AND POST-HIGH SCHOOL INSTITUTIONS, THIS REFERENCE WAS WRITTEN IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. STUDENTS WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE SHOULD BE GUIDED BY THE TEACHER IN SELECTING THE APPROVED PRACTICES BEST ADAPTED TO THEIR OWN SWINE ENTERPRISES. SECTIONS RELATE TO: (1) GETTING STARTED WITH SWINE, (2) SELECTING FOUNDATION STOCK, (3) KEEPING AND USING RECORDS, (4) PROVIDING HOUSING AND EQUIPMENT, (5) FEEDING, (6) HANDLING AND CARING FOR SWINE, (7) CONTROLLING DISEASES AND PARASITES, (8) BREEDING AND IMPROVING, AND (9) MARKETING. (DM)

VT 007 643
APPROVED PRACTICES FOR SOYBEANS .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.05).
PUB DATE - ND 68 5P

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; GRAIN; *AGRONOMY; *SOYBEANS

(FIELD CROPS); SUPERVISED FARM PRACTICE; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - THIS STUDENT REFERENCE OF APPROVED AGRICULTURAL PRACTICES IN SOYBEAN PRODUCTION IS FOR USE IN BOTH HIGH SCHOOL AND POST HIGH SCHOOL INSTITUTIONS. THE MAJOR SECTIONS ARE: (1) GETTING STARTED WITH SOYBEANS, (2) KEEPING RECORDS, (3) TESTING THE SOIL AND APPLYING FERTILIZER, (4) SELECTING SEED, (5) PLANTING, (6) CULTIVATING, (7) CONTROLLING DISEASES, (8) CONTROLLING INSECTS, (9) HARVESTING AND STORING, AND (10) STUDYING YOUR RECORD RESULTS. A WORK SHEET FOR USE BY STUDENTS IN EVALUATING PRODUCTION PRACTICES IS ATTACHED. THE DOCUMENT WAS DESIGNED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE AND STUDENTS SHOULD BE OF AVERAGE ABILITY WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. (DM)

VT 007 644
APPROVED PRACTICES FOR WHEAT .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.05).
PUB DATE - 68 5P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *AGRONOMY; GRAIN; SUPERVISED FARM PRACTICE; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - THIS LIST OF APPROVED PRACTICES WAS PREPARED AS AN AID FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN DEVELOPING INSTRUCTIONAL PLANS. IT WAS FORMULATED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. STUDENTS OF AVERAGE ABILITY WITH AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVES MAY USE THIS REFERENCE IN COURSES AT HIGH SCHOOL OR POST HIGH SCHOOL LEVELS IN SELECTING PRACTICES BEST ADAPTED TO THEIR OWN ENTERPRISES. THE CONTENT AREAS ARE: (1) GETTING STARTED WITH WHEAT, (2) KEEPING RECORDS, (3) TESTING THE SOIL AND APPLYING FERTILIZER, (4) PREPARING THE SEEDBED, (5) SELECTING SEED, (6) PLANTING, (7) CONTROLLING DISEASE, (8) CONTROLLING INSECTS, (9) HARVESTING AND STORING, AND (10) STUDYING YOUR RECORD RESULTS. A WORK SHEET FOR EVALUATING PRODUCTION PRACTICES BY STUDENTS IS ATTACHED. (DM)

VT 007 645
TESTING SOIL FOR PHOSPHORUS .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.20).
PUB DATE - 68 17P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *SOIL SCIENCE; *FERTILIZERS; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT REFERENCE IS FOR USE IN COURSES IN PRODUCTION AGRICULTURE. STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. MAJOR SECTIONS OF THE DOCUMENT ANSWER THE QUESSTIONS: (1) WHAT EQUIPMENT AND SUPPLIES DO I NEED? (2) HOW DO I MAKE THE TEST? (3) HOW MAY I RECORD THE RESULTS? THE DOCUMENT CONTAINS 17 ILLUSTRATIONS AND THE NECESSARY CONVERSION CHARTS FOR PHOSPHORUS TESTING OF SOILS. THE TIME ALLOTMENT IS 1 TO 4 HOURS. (DM)

VT 007 646
KEEPING RECORDS OF THE SUPERVISED FARMING PROGRAM .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.35).
PUB DATE - 68 29P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *SUPERVISED FARM PRACTICE; *FARM ACCOUNTS; FARM MANAGEMENT; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; *AGRICULTURAL PRODUCTION

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS STUDENT REFERENCE IS FOR USE IN HIGH SCHOOL AND POST SECONDARY CLASSES OF PRODUCTION AGRICULTURE. STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT OF THIS 2 TO 8 HOUR COURSE INCLUDES: (1) FARMING PROGRAM ACTIVITIES, (2) FARMING PROGRAM BENEFITS, (3) FARMING PROGRAM DEVELOPMENT, (4) PROGRAM EVALUATION, (5) SETTING UP A FARMING PROGRAM, (6) KEEPING RECORDS, AND (7) RECORD SUMMARY AND ANALYSIS. THE DOCUMENT CONTAINS 24 ILLUSTRATIONS AND EXAMPLES. (DM)

VT 007 647
USING THE ILLINOIS FARM RECORD BOOK.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - 68 20P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *FARM ACCOUNTS; *RECORDS (FORMS); SECONDARY

GRADES; POST SECONDARY EDUCATION; ADULT FARMER EDUCATION
IDENTIFIERS - ILLINOIS; *ILLINOIS FARM RECORD BOOK

ABSTRACT - DEVELOPED UNDER INDIVIDUAL AUTHORSHIP WITH APPROVAL OF THE SUBJECT MATTER DEPARTMENT, THIS PRODUCTION AGRICULTURE REFERENCE IS FOR USE WITH HIGH SCHOOL AND ADULT STUDENTS. THE CONTENT INCLUDES SECTIONS ON: (1) HOW IS THE ILLINOIS FARM RECORD BOOK ORGANIZED, (2) KEEPING RECORDS IN THE ILLINOIS FARM RECORD BOOK, (3) SUMMARIZING RECORDS, AND (4) OBTAINING ANALYSIS MEASURES. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE AND STUDENTS SHOULD HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. STUDENTS MAY USE THIS MATERIAL AS A TEXT REFERENCE FOR A 2-TO-6 HOUR UNIT. THE INFORMATION PROVIDED APPLIES TO THE ILLINOIS FARM RECORD BOOK. THIS BOOK IS BASED ON A PROBLEM AVAILABLE FROM VOCATIONAL AGRICULTURE SERVICE. (DM)

VT 007 648
USING THE CARBON-ARC TORCH .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.15).
PUB DATE - 68 13P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *WELDING; *AGRICULTURAL PRODUCTION; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AUTHOR WITH CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS STUDENT REFERENCE IS FOR USE IN A PRODUCTION AGRICULTURE COURSE AT THE HIGH SCHOOL OR POST SECONDARY LEVEL. SECTIONS ARE: (1) HOW IS HEAT CREATED BY THE CARBON-ARC TORCH? (2) WHAT EQUIPMENT WILL I NEED? (3) HOW DO I USE THE CARBON-ARC TORCH? (4) HOW DO I APPLY HARD FACING? (5) WHAT OTHER OPERATIONS CAN I DO WITH THE CARBON ARC TORCH? (6) WHAT SAFETY PRECAUTIONS SHOULD I FOLLOW? (7) PRACTICAL APPLICATION. THE DOCUMENT CONTAINS 15 ILLUSTRATIONS AND THE RECOMMENDED TIME ALLOTMENT IS 1-3 CLOCK HOURS. TEACHERS SHOULD HAVE COMPETENCY IN GENERAL AGRICULTURE AND STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. (DM)

VT 007 649
MANAGING THE BEEF BREEDING HERD .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.20).
PUB DATE - 68 17P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *REFERENCE MATERIALS; *ANIMAL SCIENCE; *AGRICULTURAL PRODUCTION; *CATTLE; SUPERVISED FARM PRACTICE; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED UNDER INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT REFERENCE IS FOR USE IN PRODUCTION AGRICULTURE CLASSES. STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE DOCUMENT CONTAINS SECTIONS ON: (1) HOW SHOULD I CARE FOR THE BREEDING HERD? (2) HOW SHOULD I CARE FOR THE CALF AT CALVING TIME? (3) WHAT CARE SHOULD I GIVE THE CALVES? AND (4) WHAT FEED SHOULD I USE? TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE WHEN TEACHING THIS 1 TO 4 HOUR COURSE IN A HIGH SCHOOL OR POST-HIGH SCHOOL INSTITUTION. THE TEXT IS ILLUSTRATED THROUGH USE OF 14 TABLES. (DM)

VT 007 650
ESPENSCHIED, R.F.; BUTLER, B.J.
THE ENGINE COOLING SYSTEM .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS-3030
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.30).
PUB DATE - 68 25P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *REFERENCE MATERIALS; *AGRICULTURAL ENGINEERING; *ENGINES; AGRICULTURAL MACHINERY; FARM MECHANICS (OCCUPATION); SECONDARY GRADES; ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED UNDER INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALIST, TEACHER-EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT REFERENCE IS FOR USE IN A CLASS OF PRODUCTION AGRICULTURE. STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE CONTENT INCLUDES SECTIONS ON: (1) WHY IS THE COOLING SYSTEM IMPORTANT? (2) WHAT ARE THE TYPES OF COOLING SYSTEMS? (3) WHAT PROCESSES ARE INVOLVED IN A LIQUID COOLING SYSTEM? (4) WHAT ARE THE PARTS OF A LIQUID COOLING SYSTEM? (5) WHICH COOLANT SHOULD I USE? (6) WHAT TESTS CAN I MAKE ON THE COOLING SYSTEM? (7) WHAT STEPS SHOULD I FOLLOW IN PREVENTIVE MAINTENANCE? AND (8) WHAT CAN I DO IF THE COOLING SYSTEM FAILS TO FUNCTION PROPERLY? TEACHERS COMPETENT IN GENERAL AGRICULTURE MAY USE THIS 2 TO 9 CLOCK-HOUR COURSE IN A HIGH SCHOOL OR POST-HIGH SCHOOL INSTITUTION. THE TEXT CONTAINS 18 ILLUSTRATIONS. (DM)

VT 007 651
STANDARDS FOR MEASURES OF EFFICIENCY FOR 1968 .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD

HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.60 FORNPACKAGE OF 10).
PUB DATE - 68 7P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE: *REFERENCE MATERIALS: *FARM MANAGEMENT; *AGRICULTURAL PRODUCTION: *FARM ACCOUNTS; SECONDARY GRADES: ADULT FARMER EDUCATION
IDENTIFIERS - ILLINOIS

ABSTRACT - DEVELOPED UNDER INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALIST, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT REFERENCE IS FOR USE IN PRODUCTION AGRICULTURE CLASSES. STUDENTS SHOULD BE OF AVERAGE ABILITY AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. STANDARDS FOR MEASURES OF EFFICIENCY ARE INCLUDED FOR: (1) BEEF BREEDING HERD, (2) DAIRY HERD, (3) FEEDER CATTLE, (4) POULTRY LAYING FLOCK, (5) SHEEP, (6) SWINE, AND (7) CROP DATA FOR CORN, SOYBEANS, OATS, AND WHEAT. A SCHEDULE OF LAND VALUES BY SOIL PRODUCTIVITY RATING IS ALSO INCLUDED. THIS REFERENCE MAY BE USED IN HIGH SCHOOL OR POST-HIGH SCHOOL INSTITUTIONS BY TEACHERS COMPETENT IN GENERAL AGRICULTURE. (DM)

VT 007 681 ED 025 675
LANDSCAPE DESIGN. A TEACHER'S MANUAL . TEACHER EDUCATION SER-9-NC-3T. INTERIM REPORT.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEC-8-85-014 08
BR-5-0022
PUB DATE - 68 155P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; PLANT SCIENCE; *LANDSCAPING: *ORNAMENTAL HORTICULTURE OCCUPATION: OCCUPATIONAL INFORMATION; MANAGEMENT: SITE DEVELOPMENT: UNITS OF STUDY (SUBJECT FIELDS); HIGH SCHOOLS; EMPLOYMENT OPPORTUNITIES; JOB SKILLS

ABSTRACT - THIS TEACHER'S MANUAL IS ONE OF A SERIES OF INSTRUCTIONAL AIDS PREPARED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY. IT INCLUDES SUGGESTIONS AND REFERENCES FOR THE TEACHER TO USE WITH THE STUDENT MANUAL AVAILABLE AS VT 001 637. IN ADDITION TO THE SUBJECT MATTER INCLUDED IN THE STUDENT MANUAL, PAGES ARE INSERTED AT THE END OF EACH PROBLEM AREA CONTAINING SUGGESTIONS, REFERENCES, RESOURCE PEOPLE, AUDIO-VISUAL AIDS, SUGGESTED LEARNING ACTIV"TIES, SUGGESTED PLACEMENT EXPERIENCES, AND A QUIZ. A UNIT EXAMINATION IS AVAILABLE AT THE END OF THE DOCUMENT. (DM)

VT 007 698
URBANIC, CHARLES, ED.
ORNAMENTAL HORTICULTURE FOR PRE-EMPLOYMENT LABORATORY TRAINING IN VOCATIONAL AGRICULTURE. HANDBOOK FOR TEACHERS.

TEXAS EDUCATION AGENCY, AUSTIN
TEXAS A AND M UNIV., COLLEGE STATION
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($3.00).
PUB DATE - 68 220P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *VOCATIONAL AGRICULTURE; PLANT SCIENCE: GRADE 11; GRADE 12: PROJECT TRAINING METHODS; TRANSPARENCIES; INSTRUCTIONAL AIDS: UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS TEACHER HANDBOOK WAS PREPARED AND TESTED BY VOCATIONAL AGRICULTURE. ITS PURPOSE IS TO AID TEACHERS IN LESSON PLANNING BY PRESENTING A 6-WEEK COURSE IN ORNAMENTAL HORTICULTURE FOR HIGH SCHOOL JUNIORS OR SENIORS IN VOCATIONAL AGRICULTURE. THE CONTENTS COVER: (1) CLASSIFICATION OF PLANTS, (2) PLANT GROWTH, DEVELOPMENT, STRUCTURE, PROPAGATION, AND CARE, (3) CONTROL OF PLANT PESTS AND DISEASES, (4) PRODUCTION OF FLORAL AND NURSERY CROPS, (5) LAWN CARE AND LANDSCAPING, AND (6) BUSINESS AND SALES PROCEDURES. REFERENCES AND SUGGESTED QUESTIONS AND ACTIVITIES ARE INCLUDED IN EACH CHAPTER. THE LAST SECTION OF THE HANDBOOK IS MADE UP OF DRAWINGS, DIAGRAMS, AND CHARTS WHICH MAY BE REPRODUCED FOR TRANSPARENCIES OR AS OTHER INSTRUCTIONAL MATERIALS. (AW)

VT 007 699 ED 027 400
A DESCRIPTION AND SOURCE LISTING OF PROFESSIONAL INFORMATION IN AGRICULTURAL EDUCATION, 1964-65, 1965-66.

AMERICAN VOCATIONAL ASSOCIATION, WASHINGTON, D.C. AGRICULTURAL DIV.
PUB DATE - 66 46P.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *AGRICULTURAL EDUCATION: ADULT FARMER EDUCATION; POST SECONDARY EDUCATION; AGRICULTURAL ENGINEERING; ANIMAL SCIENCE; CURRICULUM DEVELOPMENT; EDUCATIONAL FACILITIES; FARM MANAGEMENT; FORESTRY; SCHOOL ORGANIZATIONS; OCCUPATIONAL GUIDANCE; AGRONOMY: SUPERVISION; SUPERVISED FARM PRACTICE; TEACHER EDUCATION; *INSTRUCTIONAL MATERIALS; *INFORMATION SOURCES

ABSTRACT - THIS BIBLIOGRAPHY, CONTAINING PROFESSIONAL INFORMATION IN AGRICULTURAL EDUCATION PUBLISHED IN THE SCHOOL YEARS 1964-65 AND 1965-66 WAS PREPARED BY THE PROFESSIONAL INFORMATION COMMITTEE OF THE AGRICULTURAL DIVISION OF THE AMERICAN VOCATIONAL ASSOCIATION. RESPECTIVELY THEY CONTAIN 141 AND 170 LISTINGS WITH SHORT ANNOTATIONS INCLUDING AVAILABILITY AND PRICE, AND ARE ORGANIZED UNDER HEADINGS OF: (1) ADULT AND POST HIGH SCHOOL EDUCATION, (2) AGRICULTURAL MECHANICS, (3) ANIMAL SCIENCE, (4) CURRICULUM DEVELOPMENT, (5) FACILITIES FOR DEPARTMENT, (6) FARM BUSINESS, MANAGEMENT, MARKETING, (7) FORESTRY, (8) FUTURE FARMERS OF AMERICA, (9) GUIDANCE AND OCCUPATIONAL OPPORTUNITIES, (10) PLANT SCIENCE AND SOILS, (11) SUPERVISION AND TEACHER EDUCATION, (12) SUPERVISED PRACTICE, AND (13) TEACHING AIDS AND MATERIALS. SIMILAR BIBLIOGRAPHIES FOR THE YEARS 1967-68, 1968-69 ARE AVAILABLE AS VT 007 903. (DM)

VT 007 703
SEEDS. STUDENT MANUAL .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210 ($1.75 INDIVIDUALLY, OR $6.50 THE SET--SEE ABSTRACT BELOW).
PUB DATE - 68 79P.

DESCRIPTORS - *GRAIN; WORKBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; UNITS OF STUDY (SUBJECT FIELDS); *MANUALS; SECONDARY GRADES
IDENTIFIERS - OHIO; *SEEDS

ABSTRACT - DEVELOPED FOR USE BY STUDENTS AS A TEXT AND WORKBOOK, THIS 1-YEAR PROGRAM IN AGRICULTURAL BUSINESS IS FOR USE IN CLASSES OF VOCATIONAL AGRICULTURE. THIS DOCUMENT CONTAINS SECTIONS ON: (1) THE IMPORTANCE OF SEEDS, (2) THE OHIO SEED LAW, (3) CROP VARIETIES AND HYBRIDS, (4) SEEDING PRACTICES, (5) SEED TREATMENTS, AND (6) STORING AND HANDLING SEEDS. THE DOCUMENT IS ILLUSTRATED WITH LINE DRAWINGS, TABLES AND CHARTS. THIS SET OF DOCUMENTS CONTAINING STUDENT REFERENCES IN SEEDS, FEEDS, AGRICULTURAL CHEMICALS AND BUILDING MATERIALS IS AVAILABLE AS VT 007 703-VT 007 707. THE LAST OF THESE IS THE TEACHER'S GUIDE FOR THESE UNITS AND IS REQUIRED FOR THEIR USE. (DM)

VT 007 704
FEEDS. STUDENT MANUAL .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210 ($1.75 INDIVIDUALLY, OR $6.50 THE SET--SEE ABSTRACT BELOW).
PUB DATE - 68 83P.

DESCRIPTORS - *MANUALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; *FEEDS; GRAIN; WORKBOOKS; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - OHIO

ABSTRACT - DEVELOPED AS A TEXT AND WORKBOOK FOR STUDENT USE, TEACHERS OF VOCATIONAL AGRICULTURE MAY USE THIS DOCUMENT AS PART OF A 1-YEAR HIGH SCHOOL PROGRAM IN AGRICULTURAL BUSINESS. THE CONTENT INCLUDES SECTIONS RELATED TO: (1) THE IMPORTANCE OF THE FEED INDUSTRY, (2) FEED INGREDIENTS, (3) FORMS OF FEED, (4) MIXING INGREDIENTS, (5) SUPPLYING MINERALS, (6) FEED ADDITIVES, (7) FEEDING CHARTS AND GUIDES, (8) EFFICIENCY FACTORS, AND (9) STATE AND FEDERAL REGULATIONS. THE DOCUMENT IS ILLUSTRATED WITH LINE DRAWINGS, TABLES, AND CHARTS. A NECESSARY TEACHER'S GUIDE FOR USE WITH THIS UNIT AND UNITS ON FEEDS, SEEDS, AGRICULTURAL CHEMICALS, AND BUILDING MATERIALS IS AVAILABLE AS PART OF THIS SET, ANNOUNCED AS VT 007 703-VT 007 707. (DM)

VT 007 705
AGRICULTURAL CHEMICALS. STUDENT MANUAL .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210 ($1.50 INDIVIDUALLY, OR $6.50 THE SET--SEE ABSTRACT BELOW).
PUB DATE - 68 67P.

DESCRIPTORS - *MANUALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; *AGRICULTURAL CHEMICAL OCCUPATIONS; WORKBOOKS; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); HERBICIDES; INSECTICIDES; PESTICIDES; RODENTICIDES; AGRICULTURAL MACHINERY

ABSTRACT - DEVELOPED AS A TEXT AND WORKBOOK FOR STUDENTS, TEACHERS OF VOCATIONAL AGRICULTURE MAY USE THIS DOCUMENT AS PART OF A 1-YEAR PROGRAM FOR STUDENTS ENROLLED IN AGRICULTURAL BUSINESS. THE CONTENT INCLUDES SECTIONS RELATING TO: (1) CLASSIFICATION OF CHEMICALS, (2) IDENTIFYING CHEMICAL CLASSES, (3) UNDERSTANDING THE LABEL, (4) TIME AND METHODS OF APPLICATION, (5) SPRAYING EQUIPMENT, (6) STATE REGULATIONS, AND (7) SAFETY PRECAUTIONS. THE DOCUMENT IS ILLUSTRATED WITH CHARTS, TABLES AND LINE DRAWINGS. A TEACHER'S GUIDE ANNOUNCED AS VT 007 707 IS REQUIRED FOR USE WITH THIS UNIT WHICH IS A PART OF THE SET OF 5 UNITS APPEARING AS VT 007 703-VT 007 707. (DM)

VT 007 706
BUILDING MATERIALS: TWINE AND FENCE. STUDENT MANUAL .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210 ($1.50 INDIVIDUALLY, OR $6.50 THE SET--SEE ABSTRACT BELOW).
PUB DATE - 68 69P.

DESCRIPTORS - *MANUALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; *FARM STRUCTURES; WORKBOOKS; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); BUILDING MATERIALS

ABSTRACT - DEVELOPED AS A STUDENT REFERENCE AND WORKBOOK, TEACHERS OF VOCATIONAL

AGRICULTURE MAY USE THIS MANUAL IN TEACHING AS PART OF A 1-YEAR PROGRAM IN AGRICULTURAL BUSINESS. THE CONTENT INCLUDES SECTIONS ON: (1) CONCRETE, (2) BUILDING BLOCKS, (3) TILE, (4) PAINT, (5) POLE TYPE BUILDINGS, (6) FENCE, AND (7) BALER TWINE. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS, LINE DRAWINGS AND TABLES. THE TEACHER'S GUIDE WHICH IS NECESSARY FOR USE WITH THIS UNIT AND IS ANNOUNCED AS VT 007 707 IS PART OF THE SET OF UNITS OF STUDY IN VOCATIONAL AGRICULTURE. THE SET INCLUDES, IN ADDITION, UNITS ON FEEDS, SEEDS, AND AGRICULTURAL CHEMICALS AND IS AVAILABLE AS VT 007 703-VT 007 707. (DM)

VT 007 707
AGRICULTURAL SUPPLIES. TEACHER'S GUIDE .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICES
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210
($2.50).
PUB DATE - 68 72P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; HERBICIDES; INSECTICIDES; PESTICIDES; RODENTICIDES; AGRICULTURAL CHEMICAL OCCUPATIONS; SECONDARY GRADES; FEEDS; GRAINS; BUILDING MATERIALS
IDENTIFIERS - OHIO

ABSTRACT - DEVELOPED AS A TEACHER'S GUIDE FOR STUDENT REFERENCES ANNOUNCED AS VT 007 703-VT 007 706, THIS DOCUMENT IS FOR USE IN VOCATIONAL AGRICULTURE AS PART OF A 1-YEAR PROGRAM IN AGRICULTURAL BUSINESS. IT CONTAINS SUGGESTIONS TO THE TEACHER, PRE-TESTS, SUGGESTIONS FOR FIELD TRIPS, AND ANSWERS TO STUDENT PROBLEMS AND THE TESTS. (DM)

VT 007 708
UNIT BUDGETS FOR MAJOR LIVESTOCK AND CROP ENTERPRISES . AGDEX 810.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210
($0.75).
PUB DATE - 68 66P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *BUDGETS; *AGRICULTURAL PRODUCTION; FARM ACCOUNTS

ABSTRACT - DEVELOPED BY A TEACHER OF VOCATIONAL AGRICULTURE IN CONSULTATION WITH AN AGRICULTURAL ECONOMIST, THIS REFERENCE IS FOR USE BY STUDENTS AND TEACHERS IN ENTERPRISE ACCOUNTING AND FARM MANAGEMENT. THE CONTENT INCLUDES BUDGETS FOR THE MAJOR CROP AND LIVESTOCK ENTERPRISES OF: (1) DAIRY, (2) BEEF, (3) SWINE, (4) SHEEP, (5) CORN, (6) WHEAT, (7) OATS, (8) SOYBEANS, (9) TOBACCO, BURLEY, (10) TOBACCO, CIGAR, (11) HAY, (12) GRASS SILAGE, (13) CORN SILAGE, (14) SUGARBEETS, (15) TOMATOES, AND (16) PICKLES. THE BASIC REFERENCE IN DEVELOPING THE BUDGETS WAS THE OHIO FARM MANAGEMENT HANDBOOK. AVERAGE PRICE AND COST FIGURES WERE USED TO SERVE AS GUIDELINES FOR TEACHERS IN HELPING HIGH SCHOOL STUDENTS DEVELOPMENT BUDGETS FOR CROP AND LIVESTOCK ENTERPRISES AND IN HELPING FARM OPERATORS WITH FARM PLANNING AND REORGANIZATION. THE LEVEL OF PRODUCTION OF EACH ENTERPRISE IS SPECIFIED IN DEVELOPING THE COST AND RETURNS SECTION OF THE BUDGET. (DM)

VT 007 714
BUSINESS PRACTICES FOR AGRICULTURAL MACHINERY DEALERS. TEACHERS GUIDE .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($1.50).
PUB DATE - 68 53P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL MACHINERY OCCUPATIONS; RECORDS (FORMS); *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *BUSINESS SKILLS; GRADE 11; GRADE 12

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH VOCATIONAL AGRICULTURE TEACHERS, STATE SUPERVISORS, AND INDUSTRIAL PERSONNEL, THIS TEACHING GUIDE IS FOR USE BY TEACHERS OF VOCATIONAL AGRICULTURE WITH JUNIOR AND SENIOR STUDENTS STUDYING AGRICULTURAL MACHINERY OCCUPATIONS. THIS REFERENCE PROVIDES GUIDANCE TO TEACHERS IN DIRECTING THE INDIVIDUAL STUDY OF STUDENTS WHO ARE OBTAINING WORK EXPERIENCE AT A FARM MACHINERY DEALERSHIP. THE FOUR SECTIONS ARE: (1) INTRODUCTION TO BUSINESS PRACTICES FOR AGRICULTURAL MACHINERY DEALERS, (2) THE PARTS DEPARTMENT, (3) SERVICE SHOP, AND (4) EQUIPMENT SALES. A SUPPLEMENT TO THE STUDENT MANUAL CONTAINS A PARTS CATALOG AND PRICE LIST. THE STUDENT REFERENCE IS AVAILABLE AS VT 007 713. (DM)

VT 007 715
FARM MACHINERY AND LIVESTOCK SAFETY . AGDEX 086.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.15).
PUB DATE - 68 8P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SAFETY; *AGRICULTURAL MACHINERY; *LIVESTOCK; GRADE 9; GRADE 10; SAFETY EDUCATION

ABSTRACT - DEVELOPED BY A FARM SAFETY SPECIALIST FOR USE IN PRODUCTION AGRICULTURE CLASSES IN COMPREHENSIVE HIGH SCHOOLS OR AREA VOCATIONAL SCHOOLS, THIS STUDENT REFERENCE MAY BE USED BY TEACHERS OF VOCATIONAL AGRICULTURE IN TEACHING GRADES 9 AND 10. THE CONTENT INCLUDES SECTIONS ON USING FARM MACHINERY SAFELY AND ON HANDLING LIVESTOCK SAFELY. DISCUSSION ITEMS ARE LISTED UNDER COLUMNS OF "THINGS TO BE CONCERNED ABOUT" AND "WHAT TO DO". THE TIME ALLOTMENT FOR THIS INSTRUCTIONAL PROGRAM IS ONE HOUR. (DM)

VT 007 716
CURRICULUM GUIDE FOR AGRICULTURAL EQUIPMENT AND MECHANICS .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.00).
PUB DATE - 68 38P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL ENGINEERING; GRADE 11; GRADE 12; SALES WORKERS; LEADERSHIP TRAINING; FACILITY GUIDELINES; SCHOOL SHOPS; JOB SKILLS; EDUCATIONAL EQUIPMENT

ABSTRACT - DEVELOPED BY A STATE STAFF AND TEACHERS AS A CURRICULUM GUIDE IN AGRICULTURAL EQUIPMENT AND MECHANICS, THIS DOCUMENT IS FOR USE BY TEACHERS IN PLANNING AN AGRICULTURAL MECHANICS PROGRAM FOR A COMPREHENSIVE OR VOCATIONAL HIGH SCHOOL. SECTIONS IN THE DOCUMENT CONTAIN: (1) PHILOSOPHY, (2) PURPOSE OF COURSE, (3) OBJECTIVES, (4) EMPLOYMENT OPPORTUNITIES IN LOCAL MACHINERY DEALERSHIPS, (5) EDUCATIONAL OBJECTIVES DESIRABLE FOR JOB ENTRY, (6) LOCAL IMPLEMENTATION OF THE COURSE, (7) THE PLANNED CURRICULUM, (8) EDUCATIONAL SPECIFICATION FOR SHOP FACILITIES FOR A SPECIALIZED AGRICULTURAL EQUIPMENT AND MECHANICS PROGRAM IN VOCATIONAL AGRICULTURE, (9) SUGGESTED TOOLS AND EQUIPMENT, AND (10) LEADERSHIP TRAINING. THE COURSE IS DESIGNED AS A 2-YEAR PROGRAM TO PREPARE 11TH AND 12TH GRADE STUDENTS FOR ENTRY LEVEL IN BASIC AREAS OF AGRICULTURAL MECHANICS AND EQUIPMENT, INCLUDING MECHANICS, PARTS DEPARTMENT, SALES, MACHINERY SET-UP, AND TRUCK DRIVERS-DELIVERY MEN. THIS IS A REVISION OF AN EARLIER DOCUMENT WITH THE SAME TITLE ABSTRACTED AS VT 005 274 (AIM FALL 1968). (DM)

VT 007 717
INTRODUCTION TO THE FARM BUSINESS PLANNING AND ANALYSIS PROGRAM AND TEACHING UNITS . AGDEX 810.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD,NCOLUMBUS, OHIO 43210 ($5.00).
PUB DATE - 68 330P.

DESCRIPTORS - *TEACHING GUIDES; *FARM MANAGEMENT; AGRICULTURAL PRODUCTION; *AGRICULTURAL EDUCATION; *ADULT FARMER EDUCATION; FARM ACCOUNTS; *CURRICULUM GUIDES; RESOURCE MATERIALS

ABSTRACT - THIS GUIDE WAS DESIGNED TO ASSIST TEACHERS OF VOCATIONAL AGRICULTURE IN CONDUCTING FARM BUSINESS PLANNING AND ANALYSIS PROGRAMS FOR YOUNG AND ADULT FARMERS AND HIGH SCHOOL STUDENTS. OBJECTIVES ARE: (1) TO DEVELOP THE ABILITY TO UNDERSTAND THE APPLICATION AND USE OF BASIC ACCOUNTING PRINCIPLES IN KEEPING COMPLETE AND ACCURATE FARM RECORDS, (2) TO DEVELOP AN APPRECIATION OF THE ROLE OF FARM RECORDS IN MAKING SOUND DECISIONS, (3) TO DEVELOP THE ABILITY TO KEEP COMPLETE AND ACCURATE FARM RECORDS, (4) TO DEVELOP COMPETENCY AND UNDERSTANDING OF THE ANALYSIS AND INTERPRETATION OF FARM BUSINESS RECORDS, AND (5) TO DEVELOP THE ABILITY TO EFFECTIVELY APPLY THE DECISION-MAKING PROCESS IN PLANNING, OPERATING AND MANAGING A COMMERCIAL FARM BUSINESS. STUDENTS SHOULD BE ENGAGED IN FARMING AND SHOULD CONTINUE IN THE INSTRUCTIONAL PROGRAM FOR A 3-YEAR PERIOD. THE THREE SEQUENTIAL PHASES ARE: (1) KEEPING FARM RECORDS, (2) RECORD SUMMARY AND ANALYSIS, AND (3) FARM PLANNING AND ORGANIZATION. THE CONTENT INCLUDES: (1) AN INTRODUCTION, (2) 14 UNITS ON KEEPING FARM BUSINESS ACCOUNTS, (3) 15 UNITS ON SUMMARIZING AND ANALYZING FARM BUSINESS RECORDS, AND (4) 13 UNITS ON FARM PLANNING. EACH UNIT CONTAINS AN OBJECTIVE, AN INTRODUCTION TECHNIQUE, SUBJECT MATTER, AND REFERENCES. (DM)

VT 007 718
LANDSCAPING YOUR HOME. TEACHER'S GUIDE . AGDEX 271.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.00).
PUB DATE - 68 81P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *LANDSCAPING; *ORNAMENTAL HORTICULTURE; *SITE DEVELOPMENT; GRADE 9; SECONDARY GRADES; TESTS

ABSTRACT - DEVELOPED AS AN UPDATED REVISION OF ED 017 675 (VT 002 932, FOUND IN AIM SUMMER 1968), THIS TEACHER'S GUIDE IS FOR USE IN TEACHING A 30-HOUR COURSE TO HIGH SCHOOL FRESHMEN AND SOPHOMORES IN ORNAMENTAL HORTICULTURE OR PRODUCTION AGRICULTURE. THE CONTENT INCLUDES CHAPTERS OF: (1) DEVELOPING A LANDSCAPE PLAN FOR THE HOME GROUNDS, (2) SELECTING ORNAMENTAL SHRUBS AND SHADE TREES, (3) LANDSCAPING THE PUBLIC AREA, (4) LANDSCAPING THE LIVING AREA, (5) LANDSCAPING THE SERVICE AREA, (6) PLANTING ORNAMENTAL SHRUBS AND SHADE TREES, (7) FERTILIZING

ORNAMENTALS, AND (9) PRUNING OF ORNAMENTAL SHRUBS AND SHADE TREES. THE INTENDED PURPOSE OF THE DOCUMENT IS TO DEVELOP IN THE STUDENT A REALISTIC CONCEPT OF LANDSCAPE DESIGN THROUGH CLASSROOM INSTRUCTION AND SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAMS. THE DOCUMENT IS ILLUSTRATED WITH LINE DRAWINGS AND CONTAINS A PRE- AND POST-TEST, UNIT QUIZZES, AND A BIBLIOGRAPHY. (DM)

VT 007 791
WIGHT, EDGAR L.
HOW TO CONDUCT AN INSTRUCTIONAL FIELD TRIP RELATING TO SOIL CONSERVATION .

BUREAU OF INDIAN AFFAIRS (DOI), WASHINGTON, D.C.
PUBLICATIONS SERVICE, HASKELL INSTITUTE, LAWRENCE, KANSAS 66044 ($.15).
PUB DATE - 65 10P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SOIL CONSERVATION; *TEACHING GUIDES; *FIELD TRIPS; FIELD EXPERIENCE PROGRAMS; TEACHER EDUCATION

ABSTRACT - A DESCRIPTION OF A FIELD TRIP IS PROVIDED TO ASSIST IN TEACHING INSTRUCTORS HOW TO CONDUCT AN INSTRUCTIONAL FIELD TRIP RELATING TO SOIL CONSERVATION. FOUR TO SIX MAJOR STEPS TO BE ACCOMPLISHED BY THE TEACHER ARE PROVIDED FOR EACH OF THE MAJOR AREAS OF: (1) PRELIMINARY EXPERIENCES, (2) PLANNING THE TRIP, (3) CONDUCTING THE TRIP, AND (4) FOLLOW-UP. THE DOCUMENT IS ILLUSTRATED WITH PHOTOGRAPHS, A SAMPLE FIELD TRIP OUTLINE, A RECORD OF FIELD STUDY-PHYSICAL LAND CONDITIONS, AND A RILL EROSION MEASUREMENT RECORD FORM. (DM)

VT 007 848
RANNELLS, ROBERT
HYDRAULIC SYSTEMS FOR THE FARM. RESOURCE UNIT AND SKILL TEXT.

MINNESOTA UNIV., ST. PAUL. INST. OF AGRICULTURE
BULLETIN ROOM, AEAE, UNIVERSITY OF MINNESOTA, ST. PAUL, MINNESOTA ($2.00).
PUB DATE - ND 45P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *TEACHING GUIDES; *HYDRAULICS; *FARM MECHANICS (OCCUPATION); SECONDARY GRADES; ACHIEVEMENT TESTS; AGRICULTURAL PRODUCTION; FARMERS; FLUID POWER EDUCATION; KINETICS; AGRICULTURAL MACHINERY

ABSTRACT - DEVELOPED BY GRADUATE STUDENTS IN AGRICULTURAL EDUCATION, THIS TEACHING GUIDE IS FOR USE IN HIGH SCHOOL CLASSES OF VOCATIONAL AGRICULTURE IN AGRICULTURAL MECHANICS INSTRUCTION. IT MAY BE APPROPRIATELY USED AT EITHER THE HIGH SCHOOL OR POST-HIGH SCHOOL INSTRUCTIONAL LEVEL. EACH OF THE FIVE MAJOR LESSONS CONTAINS: (1) INTRODUCTION, (2) OBJECTIVES, (3) SUBJECT CONTENT, (4) SUGGESTED ACTIVITIES, AND (5) REFERENCES, WHICH ARE KEYED TO FOUR REFERENCE BOOKS. LESSONS INCLUDE: (1) INTRODUCTION TO HYDRAULIC SYSTEMS, (2) PUMPS AND CYLINDERS, (3) CONTROLS, VALVES, RESERVOIRS AND ACCUMULATORS, (4) FILTERS, LINES, CONNECTORS, SEALS, AND FLUIDS, AND (5) MAINTENANCE AND TROUBLE SHOOTING. A SKILL TEST IS AVAILABLE TO MEASURE STUDENT LEARNING. TEACHERS SHOULD HAVE A BACHELOR'S DEGREE AND MECHANICAL APTITUDE AND INTERESTS. (DM)

VT 007 878   ED 028 268
FOREST TECHNOLOGY; A SUGGESTED 2-YEAR POST HIGH SCHOOL CURRICULUM.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-800054
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (FS5.280:80054, $1.25).
PUB DATE - NOV68 151P.

DESCRIPTORS - *AGRICULTURAL TECHNICIANS; *PROGRAM GUIDES; CURRICULUM GUIDES; *FORESTRY; *TECHNICAL EDUCATION; *AGRICULTURAL EDUCATION; PROGRAM CONTENT; EDUCATIONAL FACILITIES; EDUCATIONAL EQUIPMENT; OCCUPATIONAL INFORMATION; PROGRAM DEVELOPMENT; PROGRAM ADMINISTRATION; RESOURCE MATERIALS

ABSTRACT - DEVELOPED BY EDUCATORS, PROFESSIONAL FORESTERS, EMPLOYERS, AND U.S. OFFICE OF EDUCATION PERSONNEL, THIS CURRICULUM GUIDE WAS DESIGNED TO ASSIST SCHOOL ADMINISTRATORS, ADVISORY COMMITTEES, SUPERVISORS, AND TEACHERS IN PLANNING AND DEVELOPING NEW PROGRAMS OR EVALUATING EXISTING PROGRAMS IN FOREST TECHNOLOGY. THE CONTENT INCLUDES SECTIONS ON: (1) THE TECHNICIAN'S WORK, EDUCATION, AND OPPORTUNITIES, (2) GENERAL PROGRAM CONSIDERATIONS, (3) FACULTY, (4) STUDENT SELECTION AND SERVICES, (5) FOREST LAND, LABORATORY EQUIPMENT, AND FACILITIES, (6) TEXTBOOKS, REFERENCES, AND VISUAL AIDS, (7) SCIENTIFIC AND TECHNICAL SOCIETIES AND ASSOCIATIONS, (8) ADVISORY COMMITTEES AND SERVICES, (9) THE CURRICULUM, (10) COURSE OUTLINES, (11) THE LIBRARY, (12) FACILITIES, EQUIPMENT, AND COST, AND (13) BIBLIOGRAPHY. OUTLINES ARE INCLUDED FOR 12 TECHNICAL COURSES, THREE MATHEMATICS AND SCIENCE COURSES, FIVE SUPPORTING TECHNICAL COURSES, AND FOUR GENERAL COURSES. THE APPENDIX INCLUDES A SELECTED LIST OF ORGANIZATIONS AND ASSOCIATIONS PERTINENT TO THE EDUCATION OF FOREST TECHNICIANS. THIS IS A REVISION OF ED 021 063 (VT 005 019, AIM WINTER 1968). (DM)

VT 007 946
AGRICULTURAL SUPPLIES, BUSINESS AND SERVICE. INSTRUCTOR'S GUIDE AND RELATED CLASS UNITS .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($5.00).
PUB DATE - 67 624P.

DESCRIPTORS - *WORKBOOKS; *TEACHING GUIDES; *OFF FARM AGRICULTURAL OCCUPATIONS; AGRICULTURAL SUPPLY OCCUPATIONS; GRADE 11; GRADE 12; *BUSINESS SKILLS; TESTS; ANSWER KEYS; RESOURCE MATERIALS

ABSTRACT - DEVELOPED BY AN INDIVIDUAL AUTHOR IN CONSULTATION WITH VOCATIONAL AGRICULTURE TEACHERS AND STATE SUPERVISORY PERSONNEL, THESE STUDENT MANUALS AND THE ACCOMPANYING TEACHER'S GUIDE ARE FOR USE IN A HIGH SCHOOL CLASS EMPHASIZING AGRICULTURAL SUPPLIES, BUSINESS AND SERVICE. THIS GUIDE CONTAINS CURRICULUM AREAS OF: (1) OPPORTUNITIES IN AGRICULTURAL OCCUPATIONS, (2) ORIENTATION TO JOB TRAINING, (3) BILLING MERCHANDISE TO CUSTOMERS, (4) HUMAN RELATIONS IN BUSINESS, (5) SELLING AND SALESMANSHIP, (6) BUSINESS ORGANIZATION, (7) CREDIT AND INTEREST CHARGES, (8) ADVERTISING AND PROMOTION, (9) TAXES, (10) OFFICE PROCEDURES AND RECORDS, (11) MARKETING AGRICULTURAL PRODUCTS, (12) TRANSPORTATION AND STORAGE, (13) INVENTORY AND DEPRECIATION, (14) CONTRACTS AND LEASING, AND (15) INSURANCE. THE TEACHING GUIDE FOR EACH UNIT CONTAINS AN INTRODUCTION, A LIST OF REFERENCES, THE SUBJECT MATERIAL, AND UNIT EXAMS. THE STUDENT REFERENCES FOR EACH UNIT CONTAIN OBJECTIVES, AREAS OF STUDY, SUBJECT MATERIAL AND REFERENCES. THE STUDENT MANUALS MAY BE USED AS WORKBOOKS. THIS MATERIAL WAS DESIGNED FOR USE IN A 1-YEAR PROGRAM FOR 11TH OR 12TH GRADE STUDENTS IN COMPREHENSIVE HIGH SCHOOLS OR AREA VOCATIONAL SCHOOLS. (DM)

VT 008 030
SHAFER, HAROLD C.; SIMPSON, ED
SWINE FARM EMPLOYEE .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($4.75).
PUB DATE - 68 364P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; ANIMAL SCIENCE; *STUDY GUIDES; INDIVIDUALIZED INSTRUCTION; ANSWER KEYS; ACHIEVEMENT TESTS; FARM OCCUPATIONS; *COOPERATIVE EDUCATION; *SWINE; SECONDARY GRADES; FARM MANAGEMENT
IDENTIFIERS - *SWINE FARM EMPLOYEES

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS INVOLVED IN COOPERATIVE EDUCATION AS SWINE FARM EMPLOYEES. THE COURSE CONTAINS SECTIONS OF: (1) INTRODUCTION, (2) SELECTION, (3) BREEDING HERD MANAGEMENT, (4) SWINE NUTRITION, (5) BUILDINGS AND EQUIPMENT, (6) FITTING AND SHOWING, (7) SANITATION AND ANIMAL HEALTH, (8) PRINCIPLES OF DISEASE CONTROL, (9) DISEASES OF SWINE, (10) PARASITES OF SWINE, (11) MARKETING, AND (12) FARM MANAGEMENT. STUDENT ASSIGNMENT SHEETS CONTAIN THE UNIT, TOPIC, OBJECTIVE, REFERENCES AND QUESTIONS OR ACTIVITIES FOR EACH LEARNING SEGMENT. ALSO INCLUDED ARE INFORMATION SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND TEST ANSWER SHEETS. A LIST OF REQUIRED AND SUPPLEMENTAL REFERENCES IS PROVIDED. (DM)

VT 008 031
WALKER, COLVIN
RANCH EMPLOYEES .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($7.10).
PUB DATE - 68 523P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *ANIMAL SCIENCE; FARM MANAGEMENT; SECONDARY GRADES; *STUDY GUIDES; ANSWER KEYS; ACHIEVEMENT TESTS; *FARM OCCUPATIONS; *COOPERATIVE EDUCATION; INDIVIDUALIZED INSTRUCTION
IDENTIFIERS - *RANCH EMPLOYEES

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS INVOLVED IN COOPERATIVE EDUCATION AS RANCH EMPLOYEES. THE COURSE CONTAINS UNITS ON: (1) INTRODUCTION, (2) SELECTING LIVESTOCK, (3) BREEDING HERD MANAGEMENT, (4) MANAGEMENT PRACTICES, (5) ANIMAL NUTRITION, (6) RANGE MANAGEMENT, (7) RANCH BUILDINGS AND EQUIPMENT, (8) FITTING AND SHOWING LIVESTOCK, (9) SANITATION AND ANIMAL HEALTH, (10) PRINCIPLES OF DISEASE CONTROL, (11) METHODS OF DISEASE CONTROL, (12) SYMPTOMS OF COMMON DISEASES, (13) MARKETING, AND (14) FARM AND RANCH MANAGEMENT. ASSIGNMENT SHEETS FOR STUDENT USE CONTAIN THE UNIT, TOPIC, OBJECTIVE, REFERENCES AND QUESTIONS OR ACTIVITIES. IN ADDITION TO THE ASSIGNMENT SHEETS, THE DOCUMENT CONTAINS STUDENT PROBLEMS, TOPIC TESTS, AND ANSWER SHEETS. A LIST OF REQUIRED REFERENCES FOR STUDENT USE IS PROVIDED. (DM)

VT 008 032
ATKINS, JOHN L.
WOOL WAREHOUSE EMPLOYEE .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($3.65).
PUB DATE - 68 258P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDY GUIDES; *OFF FARM AGRICULTURAL OCCUPATIONS; WAREHOUSES; SECONDARY GRADES; *SHEEP; *COOPERATIVE EDUCATION; INDIVIDUALIZED INSTRUCTION; ANSWER KEYS; ACHIEVEMENT TESTS
IDENTIFIERS - *WOOL WAREHOUSE EMPLOYEES; WOOL

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS INVOLVED IN COOPERATIVE EDUCATION AS WOOL WAREHOUSE EMPLOYEES. THE SUBJECT MATTER CONTENT INCLUDES UNITS OF: (1) INTRODUCTION, (2) THE STRUCTURE AND PROPERTIES OF WOOL, (3) THE STRUCTURE AND PROPERTIES OF MOHAIR, (4) WOOL AND MOHAIR WAREHOUSE ORGANIZATION AND FUNCTIONS, (5) SHEEP AND GOATS, (6) SHEARING SHEEP AND GOATS, (7) WOOL AND MOHAIR PROCESSING, (8) WOOL AND MOHAIR ASSOCIATIONS, AND (9) WOOL FUTURES. STUDENT ASSIGNMENT SHEETS CONTAIN THE UNIT, TOPIC, OBJECTIVE, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS AND TEST ANSWER SHEETS ARE INCLUDED. A LIST OF REQUIRED AND SUPPLEMENTAL REFERENCES IS PROVIDED. (DM)

VT 008 033
GOODSON, LEROY; ABERCROMBIE, THOMAS
SEED SALES AND SERVICE EMPLOYEES .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($5.60).
PUB DATE - 68 437P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; AGRONOMY; SECONDARY GRADES; *COOPERATIVE EDUCATION; ANSWER KEYS; ACHIEVEMENT TESTS; INDIVIDUALIZED INSTRUCTION

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS PARTICIPATING IN COOPERATIVE EDUCATION AS SEED SALES AND SERVICE EMPLOYEES. THE COURSE CONTAINS SECTIONS ON: (1) INTRODUCTION, (2) SALESMANSHIP, (3) BUSINESS PROCEDURES, (4) SEED AND PLANT SCIENCE, (5) SOIL SCIENCE, (6) SEED PRODUCTION, SEED QUALITY CONTROL, (8) WAREHOUSE MANAGEMENT, (9) SELECTING ADAPTED VARIETIES, (10) PLANT EQUIPMENT OPERATION, AND (11) CROPPING EQUIPMENT. ASSIGNMENT SHEETS LIST THE UNIT, TOPIC, OBJECTIVE, REFERENCES, AND QUESTIONS OR ACTIVITIES FOR EACH LEARNING SEGMENT. INFORMATION SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS AND TEST ANSWER SHEETS ARE PROVIDED. THE DOCUMENT IS ILLUSTRATED AND CONTAINS A LIST OF REQUIRED REFERENCES. (DM)

VT 008 034
LEFTWICK, KYLE
FORESTRY WORKER .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($3.40).
PUB DATE - 68 230P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FORESTRY; TREES; *STUDY GUIDES; *COOPERATIVE EDUCATION; SECONDARY GRADES; NATURAL RESOURCES; *FORESTRY AIDES; ANSWER KEYS; ACHIEVEMENT TESTS; INDIVIDUALIZED INSTRUCTION

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS PARTICIPATING IN COOPERATIVE EDUCATION. SECTIONS IN THIS FORESTRY COURSE ARE: (1) INTRODUCTION TO FORESTRY, (2) TREE STUDY, (3) THE FOREST ENVIRONMENT, (4) REFORESTATION, (5) INTERMEDIATE CUTTINGS, PRUNING, AND HARVEST CUTTINGS, (6) PROTECTION FROM FIRES, (7) PROTECTION FROM OTHER FOREST ENEMIES, (8) FOREST MANAGEMENT AND ECONOMICS, (9) FOREST MEASUREMENTS, (10) MARKETING AND MANUFACTURING FOREST PRODUCTS, (11) WOOD IDENTIFICATION AND USES, (12) WOOD PRESERVATION, AND (13) FOREST RANGE MANAGEMENT IN THE SOUTH. INCLUDED ARE A LIST OF REQUIRED REFERENCES, STUDENT ASSIGNMENT SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND TEST ANSWER SHEETS. THE ASSIGNMENT SHEETS LIST THE UNIT, TOPIC, OBJECTIVE, REFERENCES. AND QUESTIONS OR ACTIVITIES. (DM)

VT 008 035
CHENAULT, C.B.; KARCHER, CLARENCE
WILDLIFE EMPLOYEE .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 (5.55).
PUB DATE - 68 414P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *WILDLIFE MANAGEMENT; *STUDY GUIDES; *COOPERATIVE EDUCATION; *CONSERVATION EDUCATION; SECONDARY GRADES; NATURAL RESOURCES; ANSWER KEYS; ACHIEVEMENT TESTS; OFF FARM AGRICULTURAL OCCUPATIONS; INDIVIDUALIZED INSTRUCTION
IDENTIFIERS - *WILDLIFE EMPLOYEES

ABSTRACT - DEVELOPED BY TEACHERS AND SUBJECT MATTER SPECIALISTS IN CONSULTATION WITH AN ADVISORY COMMITTTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS PARTICIPATING IN COOPERATIVE EDUCATION AS A WILDLIFE CONSERVATION EMPLOYEE. THE SUGGESTED COURSE OUTLINE CONTAINS: (1) OPPORTUNITIES IN AND THE IMPORTANCE OF WILDLIFE, (2) GAME AND FISH LAWS, (3) NON-GAME ANIMALS, (4) FUR BEARERS, (5) GAME ANIMAL MANAGEMENT, (6) GAME BIRD MANAGEMENT, (7) WATER FOWL MANAGEMENT, (8) FISH, (9) FISH POND MANAGEMENT, (10) FISH CULTURE, (11) SHRIMP, (12) COASTAL FISH, (13) SHELL FISH, (14) FISH FOR THE TABLE, (15) SNAKES, (16) WATER SAFETY, (17) SMALL GAS ENGINES, PUMPS, AND SPRAYERS, AND TWO-WAY RADIO OPERATION, AND (18) POLLUTION. EACH ASSIGNMENT SHEET LISTS THE UNIT, TOPIC, OBJECTIVE, REQUIRED AND SUPPLEMENTAL REFERENCES, AND QUESTIONS OR ACTIVITIES. INCLUDED ARE ASSIGNMENT SHEETS, INFORMATION SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS AND TEST ANSWER SHEETS. A LIST OF REQUIRED AND SUPPLEMENTAL REFERENCE MATERIAL IS PROVIDED. (CM)

VT 008 036
KENNEDY, GERAL B.; HONEYCUTT, T.J.

GROUP INSTRUCTION HANDBOOK FOR VOCATIONAL AGRICULTURE TEACHERS .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($3.20).
PUB DATE - 69 324P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL OCCUPATIONS; *COOPERATIVE EDUCATION; SECONDARY GRADES; OCCUPATIONAL INFORMATION; LEADERSHIP TRAINING; JOB PLACEMENT; HUMAN RELATIONS; ACADEMIC PERFORMANCE; SALESMANSHIP; BUSINESS EDUCATION; ANSWER KEYS; ACHIEVEMENT TESTS
IDENTIFIERS - FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY TEACHERS IN DEVELOPING LESSON PLANS FOR STUDENTS INVOLVED IN COOPERATIVE EDUCATION PROGRAMS IN AGRICULTURALLY-RELATED OCCUPATIONS. PLANS ARE INCLUDED FOR GROUP INSTRUCTION IN UNITS OF: (1) CAREERS IN AGRICULTURE, (2) FUTURE FARMERS OF AMERICA (FAA) LEADERSHIP, (3) GETTING A JOB, (4) HUMAN RELATIONS AND PERSONALITY DEVELOPMENT, (5) SCHOLARSHIP AND SCHOOLS, (6) PERSONAL TRAITS, (7) HEALTH AND HABITS, (8) BUSINESS ORGANIZATION AND PROCEDURES, AND (9) AGRICULTURAL SALESMANSHIP. THE INTRODUCTION OUTLINES THE PURPOSE OF GROUP DISCUSSIONS, HOW TO PLAN A DISCUSSION, SUGGESTIONS ON LEADING A DISCUSSION, REMINDERS ON THE USE OF THE BLACKBOARD, AND "DO'S" AND "DON'T'S" IN THE USE OF QUESTIONS. LESSON PLANS LIST THE UNIT, TOPIC, OBJECTIVE, REFERENCES, ACTIVITIES, AND QUESTIONS AND ANSWERS. TOPIC AND UNIT TESTS, TEST KEYS AND A REQUIRED AND SUPPLEMENTAL REFERENCE LIST ARE PROVIDED. (DM)

VT 008 038
CONSERVATION AND FORESTRY. A CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION .

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND.
AGRICULTURAL EDUCATION SERVICE
VIRGINIA POLYTECHNIC INST., BLACKSBURG.
AGRICULTURAL EDUCATION STAFFS
VIRGINIA STATE COLL., PETERSBURG
AGRICULTURAL EDUCATION SERVICE, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA 23216 ($.50).
PUB DATE - JAN69 41P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *FORESTRY; *CONSERVATION EDUCATION; WILDLIFE MANAGEMENT; SECONDARY GRADES
IDENTIFIERS - VIRGINIA

ABSTRACT - DEVELOPED BY A COMMITTEE OF SUPERVISORS, TEACHER EDUCATORS, AND VOCATIONAL AGRICULTURE TEACHERS AND REVIEWED BY TEACHERS AND PROFESSIONAL INDUSTRY REPRESENTATIVES, THIS CURRICULUM GUIDE WAS TESTED THROUGH DEVELOPMENTAL PROGRAMS AND FURTHER REFINED. THE CONSERVATION AND FORESTRY OPTION WAS DESIGNED TO PROVIDE AN OPPORTUNITY FOR HIGH SCHOOL YOUTH TO DEVELOP THE SKILLS AND ABILITIES REQUIRED FOR EMPLOYMENT AND FOR GAINING PROFICIENCY IN OCCUPATIONS IN FORESTRY AND WILDLIFE CONSERVATION, OUTDOOR RECREATION, AND SOIL AND WATER CONSERVATION. MAJOR LEARNING AREAS ARE OUTLINED FOR CONSERVATION FORESTRY III, CONSERVATION AND FORESTRY IV, AND CONSERVATION AND FORESTRY V. THIS 3-YEAR PROGRAM IS DESIGNED FOR 10TH, 11TH, AND 12TH GRADE STUDENTS WHO HAVE PREVIOUSLY COMPLETED COURSES IN AGRICULTURAL SCIENCE AND MECHANICS. STUDENTS SHOULD HAVE ACCESS TO A LAND LABORATORY OF AT LEAST 50 ACRES NEAR THE SCHOOLS FOR DEVELOPMENT OF APPROPRIATE CONSERVATION PRACTICES. OCCUPATIONAL EXPERIENCES MAY BE PROVIDED IN SCHOOL LABORATORIES, ON FARMS, OR IN CONSERVATION AND FORESTRY BUSINESSES. THE SUGGESTED TIME ALLOTMENT IS 300 TO 900 HOURS OF IN-SCHOOL INSTRUCTION IN 100-MINUTE CLASS PERIODS. SUPPLEMENTARY MATERIAL INCLUDES A LIST OF REFERENCE BOOKS, A LIST OF BULLETINS, BOOKLETS AND LEAFLETS, FILM STRIPS, FILMS, AND SUGGESTED EQUIPMENT. TEACHERS SHOULD BE COMPETENT IN FORESTRY AND CONSERVATION WHEN USING THIS MATERIAL FOR COURSE PLANNING. (DM)

VT 008 039
SUPPLIES FOR FARM MECHANICS .

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
PUB DATE - MAY67 25P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *SCHOOL SHOPS; *EDUCATIONAL EQUIPMENT; *INSTRUCTIONAL MATERIALS; HIGH SCHOOLS; FACILITY INVENTORY; SUPPLIES

ABSTRACT - SCHOOL SHOPS MUST BE PROVIDED WITH AN ADEQUATE STOCK OF SUPPLIES TO CONSERVE TEACHER TIME AND PROVIDE FOR EFFICIENT AGRICULTURAL MECHANICS PROGRAM OPERATION. MATERIALS USED TO CONSTRUCT REQUIRED AND INDIVIDUAL STUDENT PROJECTS AND NECESSARY SMALL PARTS FOR THE MAINTENANCE OF HAND AND POWER TOOLS SHOULD BE KEPT ON INVENTORY. PURCHASING CONSUMABLE AND RESALABLE SUPPLIES ON BID IN LARGE QUANTITIES CAN SAVE FROM 20 TO 30 PERCENT IN MOST CASES. SUPPLIES MAY BE CLASSIFIED IN AREAS OF: (1) SKETCHING AND DRAWING, (2) TOOL SHARPENING, (3) HAND AND POWER TOOL MAINTENANCE, (4) FARM CARPENTRY, (5) METALWORK AND METALS, (6) PAINTING, (7) BUILDERS HARDWARE, (8) OXYACETYLENE WELDING, (9) ELECTRIC ARC WELDING, (10) SMALL GAS ENGINES AND TRACTOR AND MACHINERY MAINTENANCE, (11) RURAL ELECTRIFICATION, (12) CONCRETE, (13) PLUMBING, (14) SHEETMETAL WORK, AND (15) MISCELLANEOUS. INVENTORY SHEETS ARE INCLUDED FOR EACH CLASSIFICATION WHICH MAY BE USED FOR RECORDING ITEMS, COMMENTS, AMOUNTS ON HAND, AMOUNTS NEEDED, AND TOTAL PRICE. (DM)

VT 008 042
BASIC CURRICULUM FOR VOCATIONAL AGRICULTURE IN TEXAS. PRODUCTION AGRICULTURE. PRELIMINARY DRAFT.

TEXAS EDUCATION AGENCY, AUSTIN
PUB DATE - 68 16P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *FARMERS; SECONDARY GRADES; ANIMAL SCIENCE; AGRONOMY; SUPERVISED FARM PRACTICE; AGRICULTURAL ENGINEERING; FARM MANAGEMENT
IDENTIFIERS - TEXAS

ABSTRACT - DEVELOPED BY A COMMITTEE COMPRISED OF REPRESENTATIVES FROM THE VARIOUS PROFESSIONAL AREAS OF THE VOCATIONAL AGRICULTURE PROGRAM, THIS CURRICULUM GUIDE IS DESIGNED PRIMARILY FOR USE IN PLANNING AND IMPLEMENTING AN UPDATED, 4-YEAR, 700-HOUR VOCATIONAL AGRICULTURE PROGRAM IN THE TEXAS SECONDARY SCHOOLS. THE CONTENT CONSISTS OF COURSE OUTLINES FOR VOCATIONAL AGRICULTURE I, II, III, AND IV, WITH EACH COURSE INCLUDING THE SUBJECT MATTER AREAS OF: (1) INTRODUCTION, (2) ANIMAL SCIENCE, (3) SOIL SCIENCE, (4) PLANT SCIENCE, (5) AGRICULTURAL MECHANICS, (6) AGRICULTURAL MANAGEMENT, (7) SUPERVISED EXPERIENCE PROGRAMS, (8) LEADERSHIP, AND (9) LOCAL ADAPTATION. THE GUIDE ALSO INCLUDES SUGGESTIONS FOR COMBINING AND ADAPTING THE SUBJECT MATTER FOR USE IN SCHOOLS OFFERING ONLY A 3-YEAR VOCATIONAL AGRICULTURE PROGRAM. (AW)

VT 008 045
PETROELJE, LLOYD
PRUNING ORNAMENTAL SHRUBS.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 (SET OF MANUAL, FILMSTRIP AND RECORDED NARRATION, $9.95).
PUB DATE - ND 16P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *MANUALS; SECONDARY GRADES; *FILMSTRIPS; AUDIOVISUAL AIDS; INSTRUCTIONAL FILMS
IDENTIFIERS - *PRUNING

ABSTRACT - DEVELOPED IN THE DEPARTMENT OF ORNAMENTAL HORTICULTURE, THIS HIGH SCHOOL VOCATIONAL AGRICULTURE FILMSTRIP, ILLUSTRATED SCRIPT, AND TAPE NARRATION IS FOR USE IN REINFORCING CLASSROOM TEACHING AND INDEPENDENT STUDY. THE CONTENT INCLUDES THE NEED FOR PRUNING, HOW TO PRUNE, EQUIPMENT FOR PRUNING, TYPES OF PRUNING, AND NECESSARY DECISIONS TO BE MADE. PRUNING DECISIONS WERE LISTED AS: (1) OBJECTIVE, (2) BEST TIME, (3) TYPE NEEDED, (4) WHERE TO CUT, AND (5) HOW TO CUT. THE SCRIPT INCLUDES PHOTOGRAPHS OF THE 52 FRAMES IN THE FILMSTRIP. APPROXIMATELY 20 MINUTES SHOULD BE ALLOTTED FOR SHOWING THE FILMSTRIP AS PART OF AN ORNAMENTAL HORTICULTURE UNIT. THESE RESOURCES ARE AVAILABLE INDIVIDUALLY OR AS A SET FROM THE SOURCE LISTED ABOVE. (DM)

VT 008 048
HOWARD, E.A.
FEED LOT EMPLOYEESL.

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($4.90).
PUB DATE - 68 356P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDY GUIDES; *ANIMAL SCIENCE; *AGRICULTURAL PRODUCTION; EQUIPMENT MAINTENANCE; DISEASE CONTROL; NUTRITION; FARM MANAGEMENT; FEEDS; SECONDARY GRADES; *COOPERATIVE EDUCATION; ANSWER KEYS; ACHIEVEMENT TESTS; INDIVIDUALIZED INSTRUCTION; *FARM OCCUPATIONS
IDENTIFIERS - *FEEDLOT EMPLOYEES

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN CONSULTATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS PARTICIPATING IN COOPERATIVE EDUCATION AS FEED LOT EMPLOYEES. THE COURSE INCLUDES SECTIONS OF: (1) INTRODUCTION, (2) MAN AND ANIMAL HEALTH, (3) PRINCIPLES OF DISEASE CONTROL, (4) RECEIVING ANIMALS AND INITIAL CARE, (5) SYMPTOMS OF COMMON DISEASES OF ANIMALS, (6) METHODS OF DISEASE CONTROL, (7) ANIMAL NUTRITION, (8) PREPARATION AND HANDLING OF FEEDSTUFFS, (9) PURCHASING FEEDER LIVESTOCK, (10) MARKETING LIVESTOCK, (11) CARE AND MAINTENANCE OF EQUIPMENT AND FACILITIES, AND (12) GENERAL MANAGEMENT PRACTICES. ASSIGNMENT SHEETS, INFORMATION SHEETS, ASSIGNMENT ANSWER SHEETS, TOPIC TESTS, AND TEST ANSWER SHEETS ARE INCLUDED. EACH ASSIGNMENT SHEET HAS THE UNIT, TOPIC, OBJECTIVE, REFERENCES, AND QUESTIONS OR ACTIVITIES. A LIST OF REQUIRED REFERENCES IS PROVIDED. (DM)

VT 008 049
MCFARLAND, MELVYN; FORD, SIDNEY
IRRIGATION WORKER .

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($4.70).
PUB DATE - 68 382P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *IRRIGATION; OFF FARM AGRICULTURAL OCCUPATIONS; SECONDARY GRADES; WATER SUPPLY; ANSWER KEYS; ACHIEVEMENT TESTS; *COOPERATIVE EDUCATION; INDIVIDUALIZED INSTRUCTION
IDENTIFIERS - *IRRIGATION WORKERS

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND TEACHERS IN COOPERATION WITH AN ADVISORY COMMITTEE FROM INDUSTRY, THIS HIGH SCHOOL REFERENCE IS FOR USE BY STUDENTS PARTICIPATING IN COOPERATIVE EDUCATION AS IRRIGATION WORKERS. THE COURSE CONTAINS SECTIONS ON: (1) INTRODUCTION, (2) IRRIGATION WATER LAWS, (3) DETERMINING NEED FOR

IRRIGATION, (4) ADVANTAGES OF IRRIGATION, (5) REQUIREMENTS FOR SUCCESSFUL IRRIGATION, (6) IRRIGATION SYSTEMS, (7) PLANNING AN IRRIGATION SYSTEM, (8) DEVELOPMENT OF WATER SUPPLY, (9) IRRIGATION EQUIPMENT, (10) INTRODUCTION TO TOOLS, (11) SOURCES OF POWER, (12) SERVICING AND MAINTENANCE OF IRRIGATION SYSTEMS, (13) IRRIGATION WATER MANAGEMENT, (14) ANTICIPATING PROBLEMS IN SYSTEM, AND (15) BUSINESS PROCEDURES. EACH STUDENT ASSIGNMENT SHEET LISTS THE UNIT, TOPIC, OBJECTIVE, REFERENCES, AND QUESTIONS OR ACTIVITIES. INFORMATION SHEETS, ANSWERS TO STUDENT PROBLEMS, TOPIC TESTS AND TEST ANSWERS ARE INCLUDED. THE DOCUMENT IS ILLUSTRATED AND CONTAINS A LIST OF REQUIRED REFERENCES. (DM)

VT 008 061
JULSON, EARL E.
SOURCE UNIT ON FARM MACHINERY MANAGEMENT.

COLORADO STATE UNIV., DENVER. VOCATIONAL AGRICULTURE SECTION
DEPARTMENT OF VOCATIONAL EDUCATION, AGRICULTURE EDUCATION SECTION, COLORADO STATE UNIVERSITY, FORT COLLINS, COLORADO 80521 (NO CHARGE).
PUB DATE - MAY65 27P.

DESCRIPTORS - *RESOURCE UNITS; *VOCATIONAL AGRICULTURE; *YOUNG FARMER EDUCATION; *ADULT FARMER EDUCATION; *FARM MANAGEMENT; DECISION MAKING; ECONOMICS; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - FARM MACHINERY MANAGEMENT

ABSTRACT - DEVELOPED AND COMPILED IN COOPERATION WITH AGRICULTURAL ENGINEERS, PROFESSORS, AND ECONOMISTS, THIS UNIT IS DESIGNED FOR USE BY TEACHERS WITH ADVANCED HIGH SCHOOL VOCATIONAL AGRICULTURE STUDENTS, YOUNG FARMERS, OR ADULT FARMERS. IT IS AIMED PRIMARILY TOWARD PREPARING STUDENTS FOR DECISION-MAKING AND EFFECTIVE MANAGEMENT OF FARM MACHINERY, INCLUDING BUSINESS MANAGEMENT, OPERATING MANAGEMENT, AND MAINTENANCE MANAGEMENT. THE CONTENT INCLUDES: (1) DECISIONS AND PROBLEMS FACING FARMERS IN FARM MACHINERY MANAGEMENT, (2) TEACHING OBJECTIVES, (3) SUGGESTED LEARNING EXPERIENCES AND APPROVED PRACTICES CONCERNING FARM MACHINERY MANAGEMENT, AND (4) A 17-PAGE LIST OF RELATED REFERENCES. (AW)

VT 008 067
VICE, BILLY J.
FARM ANIMALS. UNIT (MODULE): KEEPING LIVESTOCK HEALTHY .

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
PUB DATE - NOV67 21P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *ANIMAL SCIENCE; *HEALTH; VETERINARY MEDICINE; SECONDARY GRADES

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS OF VOCATIONAL AGRICULTURE IN LESSON PLANNING FOR HIGH SCHOOL STUDENTS, THIS DOCUMENT CONTAINS SECTIONS TO AID THE TEACHER IN DEVELOPING IN STUDENTS THE FOLLOWING COMPETENCIES: (1) TO UNDERSTAND THE IMPORTANCE OF KEEPING LIVESTOCK HEALTHY, (2) TO UNDERSTAND THE NATURE OF LIVESTOCK DISEASES, (3) TO IDENTIFY FACTORS WHICH AFFECT THE HEALTH OF LIVESTOCK, AND THUS THEIR ABILITY TO PRODUCE, (4) TO UNDERSTAND THE IMPORTANCE OF SANITATION IN PREVENTING LOSSES TO LIVESTOCK FROM DISEASE AND PARASITES, (5) TO UNDERSTAND THE USE OF VACCINES, ANTIBIOTICS AND OTHER CHEMICALS IN CONTROLLING PARASITES, INSECT PESTS, AND DISEASES OF FARM ANIMALS, (6) TO HANDLE THE INFECTIOUS AND CONTAGIOUS DISEASES OF LIVESTOCK, (7) TO CONTROL THE COMMON SPORADIC (NON-INFECTIOUS AND CONTAGIOUS) AILMENTS OF FARM ANIMALS, (8) TO CONTROL THE COMMON PARASITES AND INSECT PESTS OF FARM ANIMALS, AND (9) TO USE THE VETERINARIAN, GOVERNMENTAL PROGRAMS, AND HELP FROM OTHER AGENCIES OR ORGANIZATIONS IN KEEPING LIVESTOCK HEALTHY. SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS ARE LISTED WITH EACH DISCUSSION AREA. (DM)

VT 008 068
VICE, BILLY J.; SPILLMAN, ROBERT
HORTICULTURE. UNIT (MODULE): PLANT GROWING MEDIA .

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
PUB DATE - AUG68 20P.

DESCRIPTORS - *HORTICULTURE; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; SOIL SCIENCE; HIGH SCHOOL STUDENTS; *UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS: (1) TO IDENTIFY SOIL-AND-PLANT RELATIONSHIPS, (2) TO IDENTIFY CHARACTERISTICS OF SOIL CONDITIONERS, (3) TO PREPARE MEDIA MIXTURES PROPERLY, (4) TO ADD FERTILIZER PROPERLY TO MEDIA, (5) TO STERILIZE PLANT-GROWING MEDIA, AND (6) TO USE MULCHES EFFECTIVELY. A LIST OF SUGGESTED REFERENCE AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. (DM)

VT 008 079 ED 029 961
GRAIN, FEED, SEED, AND FARM SUPPLY TECHNOLOGY. A SUGGESTED 2-YEAR POST HIGH SCHOOL CURRICULUM.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-81014
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (FS 5.281:81014, $1.50).
PUB DATE - DEC68 194P.

DESCRIPTORS - AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; *AGRICULTURAL EDUCATION; *AGRICULTURAL TECHNICIANS; *PROGRAM GUIDES; *CURRICULUM GUIDES; POST SECONDARY EDUCATION; PROGRAM DESCRIPTIONS; EDUCATIONAL FACILITIES; EDUCATIONAL EQUIPMENT; PROGRAM DEVELOPMENT; PROGRAM EVALUATION; BIBLIOGRAPHIES;

COOPERATIVE EDUCATION: PROFESSIONAL ASSOCIATIONS: COURSE DESCRIPTIONS: PROGRAM ADMINISTRATION: RECORDS (FORMS): INSTRUCTIONAL MATERIALS

ABSTRACT - THE INCREASING NEED FOR SKILLED AGRICULTURAL TECHNICIANS FOR THE GRAIN, FEED, SEED, AND FARM SUPPLY INDUSTRY RESULTED IN PREPARATION OF THIS SUGGESTED CURRICULUM GUIDE TO AID IN PLANNING, DEVELOPING, AND EVALUATING POST-HIGH SCHOOL PROGRAMS. THE GUIDE INCLUDES: (1) SUGGESTED COURSE OUTLINES WITH EXAMPLES OF TEXTS AND REFERENCES, (2) SEQUENCE OF TECHNICAL EDUCATION PROCEDURE, (3) LABORATORY LAYOUTS WITH EQUIPMENT AND COSTS, (4) A DISCUSSION OF LIBRARY, FACULTY AND STUDENT SERVICES, AND (5) A SELECTED LIST OF SCIENTIFIC, TRADE AND TECHNICAL SOCIETIES. CONSULTANTS, ADVISORS, OWNERS AND EMPLOYERS IN THE INDUSTRY, ELEVATOR OPERATOR MANAGERS, AND ADMINISTRATORS AND TEACHERS IN SCHOOLS OF TECHNOLOGY PROVIDED SUGGESTIONS TO THE AGRICULTURAL AND TECHNICAL EDUCATION SPECIALIST IN THE OCCUPATIONS SECTION OF THE DIVISION OF VOCATIONAL AND TECHNICAL EDUCATION WHO AUTHORED THE DOCUMENT. SECTIONS ARE: (1) THE GRAIN, FEED, SEED, AND FARM SUPPLY INDUSTRY. (2) THE TECHNICIAN EDUCATION PROGRAM, (3) THE CURRICULUM, (4) COURSE OUTLINES, (5) FACILITIES, EQUIPMENT AND COST, (6) SELECTING LIBRARY MATERIALS, AND (7) BIBLIOGRAPHY. SAMPLE INSTRUCTIONAL MATERIALS AND OCCUPATIONAL EXPERIENCE FORMS ARE PROVIDED IN THE APPENDIXES. (DM)

VT 008 103
OLIVER, CRAIG S.
SHRUBS FOR LANDSCAPING. IDENTIFICATION CULTURE USE . AGDEX 276.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURAL INSTRUCTIONAL
MATERIALS SERVICE, OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($2.55).
PUB DATE - 69 109P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *LANDSCAPING; SECONDARY GRADES; SITE DEVELOPMENT; PLANT SCIENCE; PLANT IDENTIFICATION; SOIL SCIENCE; PLANTING; GROUNDS KEEPERS
IDENTIFIERS - *SHRUBS

ABSTRACT - DEVELOPED BY AN INSTRUCTIONAL MATERIALS SPECIALIST IN AGRICULTURAL EDUCATION IN CONSULTATION WITH THE STATE SUPERVISORY STAFF, TEACHER COMMITTEES, AND INDUSTRY, THIS STUDENT REFERENCE IS FOR USE IN AN ORNAMENTAL HORTICULTURE CLASS IN A COMPREHENSIVE HIGH SCHOOL OR AREA VOCATIONAL SCHOOL. THE PUBLICATION WAS DESIGNED TO PROVIDE A SIMPLE KEY FOR 32 SHRUBS COMMONLY USED IN OHIO. THE PRIMARY UNIT OBJECTIVES ARE: (1) TO LEARN THE BASIC TERMS AND THEIR RELATIONSHIP IN PLANT IDENTIFICATION, (2) TO USE SCIENTIFIC NAMES IN IDENTIFYING AND SELECTING SHRUBS, (3) TO SELECT AND USE SHRUBS PROPERLY, AND (4) TO SELECT SHRUBS WITH PLANT HARDINESS CHARACTERISTICS WHICH ARE SUITABLE. THE CONTENT INCLUDES SECTIONS ON: (1) DEFINITION AND CLASSIFICATION OF SHRUBS, (2) IDENTIFICATION OF SHRUBS, (3) USING A SIMPLIFIED PLANT KEY, (4) PLANT KEY, (5) SELECTING SHRUBS FOR YOUR LANDSCAPE, (6) SHRUBS AND THEIR USE, AND (7) SOIL PREPARATION AND PLANTING. THE DOCUMENT IS ILLUSTRATED AND QUESTIONS ARE INCLUDED AT THE END OF EACH UNIT. STUDENTS SHOULD BE INTERESTED IN LANDSCAPING AS A CAREER. A TEACHER'S GUIDE AND SLIDE SERIES ARE AVAILABLE FROM THE PUBLISHER. (DM)

VT 008 104
OLIVER, CRAIG S.
TREES FOR LANDSCAPING. IDENTIFICATION CULTURE USE .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
AGDEX 275
OHIO VOCATIONAL AGRICULTURE INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($2.10).
PUB DATE - 69 79P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; UNITS OF STUDY (SUBJECT FIELDS); *LANDSCAPING; *TREES; SECONDARY GRADES; SITE DEVELOPMENT; PLANT SCIENCE; PLANT IDENTIFICATION; SOIL SCIENCE; PLANTING

ABSTRACT - DEVELOPED BY AN INSTRUCTIONAL MATERIALS SPECIALIST IN CONSULTATION WITH A STATE SUPERVISORY STAFF, TEACHER COMMITTEES, AND INDUSTRY, THIS STUDENT REFERENCE IS FOR USE IN ORNAMENTAL HORTICULTURE CLASSES IN COMPREHENSIVE HIGH SCHOOLS OR AREA VOCATIONAL SCHOOLS IN THE MIDWEST. THE PUBLICATION IS DESIGNED TO PROVIDE A SIMPLE KEY FOR 20 TREES COMMONLY USED FOR LANDSCAPING IN OHIO. THE PRIMARY STUDENT OBJECTIVES FOR THE UNIT ARE: (1) TO LEARN THE BASIC TERMS ASSOCIATED WITH PLANTS AND THEIR RELATIONSHIP IN PLANT IDENTIFICATION, (2) TO USE SCIENTIFIC NAMES WHEN IDENTIFYING TREES AND SELECTING THEM FOR THE LANDSCAPE, (3) TO SELECT TREES WHICH ARE SUITABLE FOR LANDSCAPE USE, (4) TO SELECT TREES WHICH ARE HARDY IN A GIVEN LANDSCAPE SITUATION, AND (5) TO BE ABLE TO PLANT AND MAINTAIN TREES IN THE LANDSCAPE. SECTIONS ARE: (1) INTRODUCTION, CONTAINING PLANT NAMING SYSTEMS, (2) IDENTIFICATION OF DECIDUOUS TREES, (3) USING A SIMPLIFIED PLANT KEY, (4) TREES AND THEIR USE IN THE LANDSCAPE, AND (5) TREES REQUIRE CARE TO LIVE. TEACHERS SHOULD OBTAIN A TEACHER'S GUIDE AND SLIDE SERIES AVAILABLE FROM THE PUBLISHER IN USING THIS GUIDE WITH STUDENTS INTERESTED IN LANDSCAPING. THE DOCUMENT IS ILLUSTRATED AND CONTAINS QUESTIONS AT THE END OF EACH UNIT. (DM)

VT 008 139
USING CREDIT TO INCREASE FARM EARNINGS .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD

HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - NOV68 9P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *CREDIT (FINANCE); *AGRICULTURAL PRODUCTION; MONEY MANAGEMENT; SECONDARY EDUCATION; POST SECONDARY EDUCATION; ADULT FARMER EDUCATION; *UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT TEXT AND REFERENCE IS FOR USE IN PRODUCTION AGRICULTURE CLASSES IN HIGH SCHOOL OR POST-SECONDARY INSTITUTIONS. THE CONTENT INCLUDES SECTIONS ON: (1) WHAT IS THE RELATIONSHIP BETWEEN INVESTED CAPITAL AND EARNINGS FROM FARMING, (2) WHAT EARNINGS ARE AVAILABLE FOR FAMILY LIVING, AND (3) HOW CAN I USE CREDIT TO INCREASE EARNINGS. THIS 1- TO 2-HOUR COURSE MAY BE USED WITH STUDENTS FROM GRADES 9 TO ADULT LEVEL OF AVERAGE ABILITY WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. RELATED DOCUMENTS ARE AVAILABLE AS VT 005 207 (AIM FALL 1968) AND VT 008 140-VT 008 141. (DM)

VT 008 140
DETERMINING CREDIT NEEDS ON THE FARM .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - NOV68 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *CREDIT (FINANCE); *FINANCIAL NEEDS; MONEY MANAGEMENT; SECONDARY EDUCATION; POST SECONDARY EDUCATION; ADULT FARMER EDUCATION; AGRICULTURAL PRODUCTION; BUDGETING; *UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOLS AND POST-SECONDARY INSTITUTIONS WITH CLASSES IN AGRICULTURAL PRODUCTION. THE CONTENT OF THIS 1- TO 3-HOUR COURSE INCLUDES: (1) HOW MUCH CAPITAL IS NEEDED FOR LAND AND BUILDINGS, (2) HOW MUCH CAPITAL IS NEEDED FOR MACHINERY, LIVESTOCK FACILITIES AND BREEDING STOCK, (3) WHAT AMOUNTS OF CAPITAL ARE NEEDED FOR ANNUAL OPERATING EXPENSES, (4) PREPARING BUDGETS TO HELP DETERMINE THE RESULTS OF USING CREDIT, AND SUMMARY OF CREDIT NEEDS ON THE PROBLEM FARM. STUDENTS SHOULD BE OF AVERAGE ABILITY, AND HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. RELATED DOCUMENTS ARE AVAILABLE AS VT 005 207 (AIM FALL 1968) AND VT 008 139 AND VT 008 141. (DM)

VT 008 141
PLANNING FOR REPAYMENT OF LOANS .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.20).
PUB DATE - NOV68 17P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *CREDIT (FINANCE); *MONEY MANAGEMENT; SECONDARY EDUCATION; POST SECONDARY EDUCATION; ADULT FARMER EDUCATION; AGRICULTURAL PRODUCTION; BUDGETING; *UNITS OF STUDY (SUBJECT FIELDS

ABSTRACT - DEVELOPED UNDER INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL AND POST-HIGH SCHOOL INSTITUTIONS WITH CLASSES IN PRODUCTION AGRICULTURE. THE CONTENT INCLUDES SECTIONS ON: (1) ESTIMATING INCOME AND EXPENSES FOR FUTURE YEARS, (2) PREPARING FARM AND FAMILY (OR CASH FLOW) BUDGETS, AND (3) PROJECTING NET WORTH CHANGES OVER A PERIOD OF YEARS. FOUR TABLES AND A 4-YEAR FARM AND FAMILY FINANCE BUDGET ILLUSTRATE THE TEXTUAL MATERIAL. THIS 1- TO 4-HOUR COURSE MAY BE USED WITH STUDENTS OF AVERAGE ABILITY WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. RELATED DOCUMENTS ARE AVAILABLE AS VT 005 207 (AIM FALL 1968) AND VT 008 139 AND VT 008 140. (DM)

VT 008 142
PLANNING THE NITROGEN PROGRAM .

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.20).
PUB DATE - NOV68 17P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *AGRONOMY; *FERTILIZERS; AGRICULTURAL PRODUCTION; SECONDARY EDUCATION; POST SECONDARY EDUCATION; ADULT FARMER EDUCATION; *UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - *NITROGEN

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT REFERENCE IS FOR USE IN HIGH SCHOOLS AND POST-HIGH SCHOOLS IN PRODUCTION AGRICULTURE CLASSES. THE CONTENT INCLUDES SECTIONS ON: (1) WHAT ARE THE COMMON CARRIERS OF NITROGEN, (2) WHICH NITROGEN FERTILIZER IS CHEAPEST TO BUY, (3) HOW MUCH NITROGEN SHOULD I APPLY PER ACRE, (4) WHEN SHOULD NITROGEN FERTILIZERS BE APPLIED, AND (5) HOW SHOULD NITROGEN FERTILIZERS BE APPLIED. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE FOR THIS 1- TO 4-HOUR COURSE FOR USE WITH STUDENTS OF GENERAL ABILITY WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE VARIOUS METHODS USED TO APPLY NITROGEN ARE ILLUSTRATED WITH PHOTOGRAPHS. (DM)

VT 008 143
UREA AS A RUMINANT SUPPLEMENT .

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - NOV68 9P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *UNITS OF STUDY (SUBJECT FIELDS); *FARM MANAGEMENT; *ANIMAL SCIENCE; *FEEDS; NUTRITION; AGRICULTURAL PRODUCTION; SECONDARY EDUCATION; POST SECONDARY EDUCATION; ADULT FARMER EDUCATION
IDENTIFIERS - *UREA; RUMINANT

ABSTRACT - DEVELOPED BY INDIVIDUAL AUTHORSHIP IN CONSULTATION WITH SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS AND AN ADVISORY COMMITTEE OF TEACHERS, THIS HIGH SCHOOL AND ADULT STUDENT REFERENCE IS FOR USE IN HIGH SCHOOLS AND POST-HIGH SCHOOL INSTITUTIONS IN CLASSES OF PRODUCTION AGRICULTURE. MAJOR SECTIONS ARE: (1) WHAT FACTORS AFFECT UREA UTILIZATION, (2) HOW ECONOMICAL IS UREA TO FEED, (3) WHERE CAN UREA BE USED IN RUMINANT FEEDING, AND (4) WHAT ARE SOME KINDS OF UREA-CONTAINING SUPPLEMENTS. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE FOR THIS 1- TO 2-HOUR COURSE FOR USE WITH STUDENTS OF AVERAGE ABILITY WITH AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE DOCUMENT IS ILLUSTRATED. (DM)

VT 008 145
EDUCATIONAL OPPORTUNITIES FOR MID-MANAGEMENT, TECHNICAL, AND VOCATIONAL CAREERS IN AGRICULTURE AND NATURAL RESOURCES IN THE NORTH CAROLINA COMPREHENSIVE COMMUNITY COLLEGE SYSTEM , 1969-70.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH. DIV. OF OCCUPATIONAL EDUCATION
PUB DATE - FEB69 20P.

DESCRIPTORS - *EDUCATIONAL OPPORTUNITIES; *CAREERS; *AGRICULTURAL OCCUPATIONS; *COMMUNITY COLLEGES; *PROGRAM DESCRIPTIONS; VOCATIONAL EDUCATION; TECHNICAL EDUCATION; SUBPROFESSIONALS; NATURAL RESOURCES
IDENTIFIERS - *NORTH CAROLINA

ABSTRACT - THE TECHNOLOGICAL EXPLOSION IN AGRICULTURE AND CONSERVATION AND THE RAPID EXPANSION OF THE OFF-FARM PHASE HAS BROUGHT ABOUT AN INCREASING NEED FOR WORKERS KNOWN AS TECHNICIANS, MID-MANAGEMENT PERSONNEL, AND SKILLED CRAFTSMEN. TWO-YEAR AND SHORTER CURRICULUMS WERE DEVELOPED TO MEET EMERGING NEEDS AND ARE OFFERED IN THE NORTH CAROLINA COMPREHENSIVE COMMUNITY COLLEGE SYSTEM. PROGRAMS ARE OFFERED IN: (1) AGRICULTURAL BUSINESS TECHNOLOGY, (2) AGRICULTURAL CHEMICALS TECHNOLOGY, (3) AGRICULTURAL EQUIPMENT TECHNOLOGY, (4) AGRICULTURAL RESEARCH TECHNOLOGY, (5) FISH AND WILDLIFE MANAGEMENT TECHNOLOGY, (6) FLORAL DESIGN AND SHOP MANAGEMENT TECHNOLOGY, (7) FOOD PROCESSING TECHNOLOGY, (8) FOREST MANAGEMENT TECHNOLOGY, (9) FOREST RECREATION TECHNOLOGY, (10) ORNAMENTAL HORTICULTURE TECHNOLOGY, (11) POULTRY AND LIVESTOCK TECHNOLOGY, (12) RECREATIONAL GROUNDS MANAGEMENT TECHNOLOGY, (13) SOIL AND WATER CONSERVATION TECHNOLOGY, (14) VETERINARY MEDICINE TECHNOLOGY, (15) WOOD PRODUCTS TECHNOLOGY, (16) DRY KILN OPERATING, (17) LOG SAWING, (18) LUMBER INSPECTING, (19) SAW FILING, AND (20) FARRIERING (HORSESHOEING). THE PURPOSES, CAREER OPPORTUNITIES, AND INSTITUTIONS OFFERING EACH TECHNOLOGY ARE PROVIDED. OTHER INFORMATION INCLUDES A MAP SHOWING THE LOCATION OF THE VARIOUS INSTITUTIONS AND AN EXPLANATION OF ADMISSION REQUIREMENTS, PREREQUISITE COURSES, CURRICULUM LENGTH, AND FINANCES. (DM)

VT 008 170
FORESTRY ACTIVITIES. A GUIDE FOR YOUTH GROUP LEADERS .

DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST SERVICE
PA-457
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A1.68:457/2, $.15).
PUB DATE - 66 31P.

DESCRIPTORS - YOUTH LEADERS; *AGRICULTURAL EDUCATION; *YOUTH CLUBS; *TEACHING GUIDES; *FORESTRY; *STUDENT PROJECTS; TREES; CONSERVATION EDUCATION; *NATURAL RESOURCES

ABSTRACT - DEVELOPED FOR LEADERS OF YOUTH GROUPS, THESE FORESTRY ACTIVITIES MAY BE UTILIZED IN TEACHING NATURAL RESOURCES CONSERVATION. SECTIONS INCLUDE: (1) TREES...FROM THE INSIDE...OUT, (2) TREE EXHIBIT--FROM ROOTS TO FRUIT, (3) CONSERVATION TRAIL, (4) WATER CYCLE FROM A TEA KETTLE, (5) MODEL WATER SHED, (6) SELF-GUIDED NATURAL RESOURCE TOUR, (7) BUILDING AND PUTTING OUT CAMPFIRES, (8) FIRE DANGER SIGN, (9) SIGHTING FOREST FIRE "SMOKES," (10) TREE INSECT ZOO, (11) WINDOW ON THE INSECT WORLD, (12) LITTER BAGS, (13) FOR BETTER OUTDOOR MANNERS, (14) DON'T JUST NAIL IT, (15) 3-D CONSERVATION CHARTS, (16) FOREST CONSERVATION IN PICTURES, (17) FOREST CONSERVATION MOBILES, AND (18) MATERIALS TO HELP TEACH FOREST CONSERVATION. THE DOCUMENT IS ILLUSTRATED. (DM)

VT 008 250
ADAMS, JERRY; HARGRAVE, L.M.
WORKBOOK OF THE PARLIAMENTARY GUIDE FOR FUTURE FARMERS OF AMERICA.

TEXAS TECHNOLOGICAL COLL., LUBBOCK. DEPT. OF AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($.30).
PUB DATE - ND 45P.

DESCRIPTORS - *WORKBOOKS; *VOCATIONAL AGRICULTURE; SECONDARY GRADES; *STUDENT ORGANIZATIONS; *LEADERSHIP TRAINING; YOUTH CLUBS; *PARLIAMENTARY LAW; YOUTH LEADERS; UNITS OF STUDY (SUBJECT FIELDS)

IDENTIFIERS - *FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - WRITTEN AND CLASSROOM TESTED BY VOCATIONAL AGRICULTURE TEACHERS, THIS STUDENT WORKBOOK IS FOR USE IN HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES. THE PURPOSE OF THE WORKBOOK IS TO AID TEACHERS AND SPONSORS OF AGRICULTURAL YOUTH CLUBS IN TEACHING PARLIAMENTARY PROCEDURES. THE CONTENT CONSISTS OF A COLLECTION OF TESTS AND EXERCISES ON PARLIAMENTARY LAW, INCLUDING QUESTIONS ON: (1) PARLIAMENTARY PROCEDURES AND PRACTICES, (2) CLASSIFICATION AND ORDER OF PRECEDENCE OF MOTIONS, (3) MAKING MOTIONS, (4) AMENDMENTS, (5) POINTS OF ORDER, AND (6) ADJOURNMENT. THE PROPOSED COURSE LENGTH IS 4 TO 6 WEEKS. THE WORKBOOK IS KEYED FOR USE WITH THE TEXT, "PARLIAMENTARY PROCEDURE GUIDE FOR FFA," AVAILABLE FROM J.D. GRAY, EAST TEXAS STATE TEACHERS COLLEGE, COMMERCE, TEXAS. (AW)

VT 008 252
PAGE, ROY
DEER AND TURKEY MANAGEMENT.

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843.
PUB DATE - 68 43P.

DESCRIPTORS - *CURRICULUM GUIDES; TEACHING GUIDES; STUDY GUIDES; *VOCATIONAL AGRICULTURE; *WILDLIFE MANAGEMENT; UNITS OF STUDY (SUBJECT FIELDS); SECONDARY GRADES
IDENTIFIERS - *TEXAS; WILD TURKEY; WHITE TAILED DEER

ABSTRACT - WRITTEN AND TESTED IN THE CLASSROOM BY A SUBJECT MATTER SPECIALIST, THIS COURSE OUTLINE IS FOR USE IN TEXAS HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES, AND IS DESIGNED TO AID IN TEACHING WILDLIFE MANAGEMENT. THE CONTENT INCLUDES SECTIONS ON: (1) VARIOUS FACTORS INFLUENCING THE TEXAS WHITE-TAILED DEER AND TURKEY POPULATION, (2) HABITS OF THE ANIMALS, (3) METHODS OF CENSUSING, (4) MANAGEMENT PRACTICES, (5) OBJECTIVES AND METHODS OF GAME MANAGEMENT PROGRAMS, AND (6) GENERAL INFORMATION ON THE ANIMALS. LESSON PLANS ARE SUGGESTED AND SELECTED REFERENCES AND ADDITIONAL INFORMATION SOURCES ARE GIVEN. THE OUTLINE IS ILLUSTRATED WITH PHOTOGRAPHS AND DRAWINGS. THE TIME ALLOTMENT FOR THE COURSE IS 2 WEEKS. (AW)

VT 008 320
MILLER, ROBERT W.
LAWN CARE AND MANAGEMENT .

OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE.
OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($7.50 PER SET).
PUB DATE - ND 69

DESCRIPTORS - *MANUALS; *SLIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *TURF MANAGEMENT; LANDSCAPING; SECONDARY GRADES; GROUNDS KEEPERS

ABSTRACT - DEVELOPED BY TURF SPECIALISTS, STATE STAFF MEMBERS, AND TEACHERS, THIS HIGH SCHOOL COLOR SLIDE SERIES IS FOR USE WITH CLASSES ENROLLED IN PRODUCTION AGRICULTURE OR ORNAMENTAL HORTICULTURE. THE 16 PAGE ILLUSTRATED SCRIPT ACCOMPANYING THE 46 SLIDE PHOTOGRAPHS INCLUDES A DISCUSSION OF: (1) LAWN GRASS VARIETY SELECTION, (2) CHARACTERISTICS OF GRASS VARIETIES, (3) SEEDING PROPERLY, (4) FERTILIZING PROPERLY, (5) MOWING PROPERLY, (6) CONTROL OF WEEDS, (7) CONTROL OF DISEASES AND INSECTS, (8) WATERING THE LAWN, AND (9) THATCH CONTROL. THE MATERIAL WAS DEVELOPED FOR STUDENTS CONSIDERING LAWN CARE AS HOME OWNERS OR FOR THOSE INTERESTED IN A CAREER IN LANDSCAPING. THE SUGGESTED TIME ALLOTMENT IS 4 HOURS. (DM)

VT 008 335
SMALL GASOLINE ENGINES IGNITION SYSTEM REPAIR. AN INDIVIDUAL INSTRUCTIONAL MANUAL. PRELIMINARY DRAFT .

SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. AGRICULTURAL EDUCATION SECTION
PUB DATE - 68 56P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ENGINES; *SUPPLEMENTARY TEXTBOOKS; MANUALS; *AGRICULTURAL MACHINERY; SECONDARY GRADES; TRANSPARENCIES; INDIVIDUALIZED INSTRUCTION
IDENTIFIERS - *IGNITION SYSTEM REPAIR; SMALL GASOLINE ENGINES

ABSTRACT - DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS, TEACHER EDUCATORS AND VOCATIONAL EDUCATION MEDIA CENTER PERSONNEL, THIS AGRICULTURAL MECHANICS SHOP MANUAL IS FOR USE BY INDIVIDUAL STUDENTS. THE IGNITION SYSTEM AND THE RELATED PARTS NECESSARY FOR ITS SERVICING ARE DISCUSSED; HOWEVER, THE UTILIZATION OF SPECIALIZED TESTING EQUIPMENT FOR THE COIL AND CONDENSER IS NOT INCLUDED. THE CONTENT INCLUDES A LIST OF TOOLS NEEDED TO PERFORM THE JOBS AND 45 ILLUSTRATED JOB TASKS. STUDENT WORKSHEETS ARE AVAILABLE FOR EVALUATING THEIR KNOWLEDGE OF ENGINE AND IGNITION PARTS IDENTIFICATION. EACH PAGE IS ILLUSTRATED WITH A PHOTOGRAPH AND IS SUITABLE FOR REPRODUCTION AS AN OVERHEAD TRANSPARENCY. THE OWNER'S MANUAL FOR THE SPECIFIC ENGINE USED IN INSTRUCTION SHOULD BE AVAILABLE AS A STUDENT REFERENCE. (DM)

VT 008 336
FARM MECHANICS BASIC TO DAIRY FARMING. VO. AG. ED. NO. 26.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION
PUB DATE - JUN68 134P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; *AGRICULTURAL ENGINEERING; *DAIRYMEN; SECONDARY GRADES; INSTRUCTIONAL MATERIALS;

*VOCATIONAL AGRICULTURE

ABSTRACT - WRITTEN BY A TEAM OF AGRICULTURE TEACHERS, THIS GUIDE IS FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE TEACHERS IN IMPLEMENTING COURSES IN FARM MECHANICS PRIMARILY AS RELATED TO DAIRY FARMING. THE BULLETIN IS INTENDED TO SUPPLEMENT THE TEXT, "A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN DAIRY PRODUCTION," RECENTLY RELEASED PUBLICATION OF THE LOUISIANA STATE DEPARTMENT OF EDUCATION AND LOUISIANA STATE UNIVERSITY. CONTENTS INCLUDE INSTRUCTIONAL UNITS ON: (1) CARPENTRY, (2) CONCRETE, (3) PLUMBING, (4) ELECTRIC WELDING, (5) GAS WELDING, (6) SELECTION, CARE, OPERATION, AND MAINTENANCE OF ELECTRIC MOTORS, (7) SELECTION, CARE, OPERATION, AND MAINTENANCE OF SMALL ENGINES AND DAIRY EQUIPMENT, AND (8) SURVEYING AND CONSERVATION. UNITS CONTAIN: (1) SKILLS AND COMPETENCIES TO BE DEVELOPED, (2) CONTENT TO BE COVERED, (3) TEACHING SUGGESTIONS, (4) TEACHING AIDS, (5) SUGGESTED HOURS PER UNIT, (6) LEARNING ACTIVITIES, (7) UNIT EVALUATION METHODS, AND (8) UNIT REFERENCES. ALTHOUGH THE MATERIAL IS SLANTED TOWARDS DAIRY PRODUCTION, THE SKILLS DEVELOPED IN THE VARIOUS INSTRUCTIONAL UNITS ARE APPLICABLE TO ALL OTHER AREAS OF AGRICULTURE. THE GUIDE IS ILLUSTRATED WITH NUMEROUS CHARTS, TABLES, AND DIAGRAMS. (AW)

VT 008 367
FOSTER, JAMES R.
DIGESTION--THE CONVERSION OF FEED TO PORK .

PURDUE UNIV., LAFAYETTE, IND. COOPERATIVE EXTENSION SERVICE
AS-321
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($2.00).
PUB DATE - DEC64 6P.

DESCRIPTORS - *SLIDES: *VOCATIONAL AGRICULTURE: *ANIMAL SCIENCE: *NUTRITION: *SWINE; AGRICULTURAL PRODUCTION: SECONDARY GRADES

ABSTRACT - DEVELOPED BY AN EXTENSION SWINE SPECIALIST, THIS HIGH SCHOOL REFERENCE IS FOR USE IN CLASSES OF PRODUCTION AGRICULTURE WITH STUDENTS PREPARING TO ENTER FARMING AND FEED BUSINESSES. THE 11 SLIDES AND ACCOMPANYING SCRIPT TRACE DIGESTION IN SWINE: (1) TEETH, (2) SALIVARY GLANDS, (3) ESOPHAGUS, (4) LIVER AND GALL BLADDER, (5) STOMACH, (6) PANCREAS, (7) SMALL INTESTINE, AND (8) LARGE INTESTINE. THE SUGGESTED TIME ALLOTMENT IS TWO HOURS. (DM)

VT 008 446
PENNINGTON, DON, ED.: THOMAS, HOLLIE, ED.
A CURRICULUM GUIDE FOR TRAINING PROGRAMS IN AGRICULTURE SUPPLY .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($1.25).
PUB DATE - MAR69 134P.

DESCRIPTORS - *CURRICULUM GUIDES: *VOCATIONAL AGRICULTURE: *AGRICULTURAL SUPPLY OCCUPATIONS: *AGRICULTURAL SUPPLIES: LEGAL PROBLEMS: *COOPERATIVE EDUCATION: SECONDARY GRADES: OCCUPATIONAL INFORMATION: HUMAN RELATIONS: BUSINESS EDUCATION: SALESMANSHIP

ABSTRACT - DESIGNED AS SUGGESTED LESSONS FOR THE RELATED-INSTRUCTION CLASS IN VOCATIONAL AGRICULTURE, THIS CURRICULUM GUIDE IS FOR USE BY THE TEACHER IN CONDUCTING AGRICULTURAL SUPPLY TRAINING PROGRAMS. THE CONTENT INCLUDES GENERAL MATERIAL APPLICABLE TO MOST OCCUPATIONS: (1) CAREER OPPORTUNITIES IN AGRICULTURE SALES AND SERVICE BUSINESSES, (2) ORIENTATION TO OCCUPATIONS EXPERIENCE PROGRAMS, (3) HUMAN RELATIONS, (4) ORGANIZATION AND FUNCTION OF AGRICULTURAL BUSINESSES, (5) AGRICULTURAL BUSINESS PROCEDURES, (6) AGRICULTURAL SALESMANSHIP, AND (7) LEGAL ASPECTS OF BUSINESS OPERATIONS. EACH OF THE 42 LESSONS CONTAINS OBJECTIVES, INTRODUCTION, SUBJECT MATTER, STUDENT ACTIVITIES, EVALUATION AND REFERENCES. (DM)

VT 008 448
RHOADS, THOMAS D.: HAMILTON, WILLIAM H.
A CORE CURRICULUM IN VOCATIONAL AGRICULTURE II .

INDIANA RESEARCH AND DEVELOPMENT COORDINATING UNIT FOR VOCATIONAL AND TECHNICAL EDUCATION, TERRE HAUTE
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($3.50).
PUB DATE - JAN69 146P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE: *TEACHING GUIDES: *CURRICULUM GUIDES: *CORE CURRICULUM: GRADE 10, HIGH SCHOOLS: AGRICULTURAL ENGINEERING: HORTICULTURE: ANIMAL SCIENCE: AGRONOMY: FARM MANAGEMENT: CONSERVATION EDUCATION: SUPERVISED FARM PRACTICE: WORK EXPERIENCE PROGRAMS: OCCUPATIONAL INFORMATION

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS AND TEACHER EDUCATORS WORKING AS A DEVELOPMENT COMMITTEE, THIS CURRICULUM GUIDE IS FOR USE BY TEACHERS OF VOCATIONAL AGRICULTURE IN LESSON PLANNING FOR 10TH GRADE STUDENTS. THE CONTENT INCLUDES A BASIC CORE OF MATERIAL WHICH WAS PLANNED TO COVER APPROXIMATELY TWO-THIRDS OF A SCHOOL YEAR. MAJOR OBJECTIVES OF THE PROJECT WERE: (1) TO DEVELOP A CORE UPON WHICH THE LOCAL TEACHER MIGHT BUILD HIS COURSE OF STUDY, (2) TO PROVIDE A COMMON EXPERIENCE FOR ALL STUDENTS IN THE FIRST TWO YEARS OF AGRICULTURE, (3) TO PROVIDE A PLANNING BASE FOR TEACHERS IN AREA SCHOOLS WHERE STUDENTS COME FROM SEVERAL LOCAL SCHOOLS, AND (4) TO ENCOURAGE EXPERIENCED TEACHERS TO RE-EXAMINE THEIR CURRICULUMS. MODULES ARE INCLUDED FOR: (1) AGRICULTURAL EXPERIENCE PROGRAMS, (2) AGRICULTURAL CAREER OPPORTUNITIES, (3) AGRICULTURAL MECHANICS, (4) ANIMAL SCIENCE (BEEF PRODUCTION), (5) SOIL SCIENCE, (6) PLANT SCIENCE (SOYBEAN PRODUCTION), (7) PLANT

SCIENCE (FORAGE PRODUCTION), (8) ECONOMIC PRINCIPLES, (9) HORTICULTURE, AND (10) CONSERVATION (FORESTRY). EACH LESSON CONTAINS: (1) SUGGESTIONS FOR TEACHING, (2) OBJECTIVES, (3) MOTIVATIONS, (4) CENTRAL PROBLEM, (5) SUB-QUESTIONS, (6) EVALUATION, AND (7) REFERENCES. THE SUGGESTED TIME IS INCLUDED FOR EACH UNIT. THE CORE CURRICULUM FOR VOCATIONAL AGRICULTURE I IS ANNOUNCED AS VT 008 449. (DM)

VT 008 449
RHOADS, THOMAS C.; HAMILTON, WILLIAM H.
A CORE CURRICULUM IN VOCATIONAL AGRICULTURE I .

INDIANA RESEARCH AND DEVELOPMENT COORDINATING UNIT FOR VOCATIONAL AND TECHNICAL EDUCATION, TERRE HAUTE
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($3.50).
PUB DATE - JAN69 177P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *CURRICULUM GUIDES; GRADE 9; *CORE CURRICULUM; HIGH SCHOOLS; AGRONOMY; ANIMAL SCIENCE; AGRICULTURAL ENGINEERING; OCCUPATIONAL INFORMATION; WORK EXPERIENCE PROGRAMS; SUPERVISED FARMER PRACTICE
IDENTIFIERS - FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS AND TEACHER EDUCATORS WORKING AS A DEVELOPMENT COMMITTEE, THIS HIGH SCHOOL VOCATIONAL AGRICULTURE CURRICULUM GUIDE IS FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN LESSON PLANNING FOR NINTH-GRADE STUDENTS. THE CORE CURRICULUM IS DESIGNED TO COVER APPROXIMATELY TWO-THIRDS OF THE YEARS WORK. MAJOR OBJECTIVES OF THE PROJECT WERE: (1) TO PROVIDE A CORE UPON WHICH LOCAL TEACHERS MIGHT BUILD A COURSE OF STUDY, (2) TO PROVIDE A COMMON EXPERIENCE FOR ALL STUDENTS IN THE FIRST TWO YEARS OF AGRICULTURE, (3) TO PROVIDE A PLANNING BASE FOR TEACHERS IN AREA SCHOOLS WHERE STUDENTS COME FROM SEVERAL LOCAL SCHOOLS, AND (4) TO ENCOURAGE EXPERIENCED TEACHERS TO RE-EXAMINE THEIR CURRICULUMS. THE CONTENT INCLUDES MODULES ON: (1) INTRODUCTION AND ORIENTATION, (2) FUTURE FARMERS OF AMERICA, (3) AGRICULTURAL EXPERIENCE PROGRAMS, (4) AGRICULTURAL CAREER OPPORTUNITIES, (5) AGRICULTURAL MECHANICS, (6) ANIMAL SCIENCE (SWINE PRODUCTION), (7) SOIL SCIENCE, AND (8) PLANT SCIENCE (CORN PRODUCTION). EACH LESSON CONTAINS: (1) SUGGESTIONS FOR TEACHING, (2) OBJECTIVES, (3) MOTIVATION, (4) CENTRAL PROBLEM, (5) SUB-QUESTIONS, (6) EVALUATION, AND (7) REFERENCES. THE SUGGESTED TIME IS INCLUDED FOR EACH UNIT. A RELATED DOCUMENT FOR USE WITH 10TH GRADE STUDENTS IS ANNOUNCED AS VT 008 448. (DM)

VT 008 460 ED 029 151
TURFGRASS MAINTENANCE AND ESTABLISHMENT, A STUDENT HANDBOOK . TEACHER EDUCATION SERIES, V9 N4S.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
BR-5-0222
PUB DATE - 69 153P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *TURF MANAGEMENT; *ORNAMENTAL HORTICULTURE OCCUPATION; OCCUPATIONAL INFORMATION; PLANT SCIENCE; SITE DEVELOPMENT; RESOURCE MATERIALS; TESTS; STUDY GUIDES; LANDSCAPING

ABSTRACT - THIS STUDENT HANDBOOK IS ONE OF A SERIES OF INSTRUCTIONAL AIDS PREPARED AND EDITED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY. ITS ORGANIZATION AND CONTENT WERE FIELD TESTED, EVALUATED AND IMPROVED BY TEACHERS ATTENDING SUMMER INSTITUTES IN LANDSCAPE HORTICULTURE IN 1966 AND 1967. THE CONTENT INCLUDES PROBLEM AREAS OF: (1) EXPLORING JOB OPPORTUNITIES IN TURFGRASS BUSINESSES, (2) KINDS OF TURFGRASSES AND THEIR USE, (3) MAINTAINING RESIDENTIAL AND INSTITUTIONAL LAWNS, (4) MAINTAINING ATHLETIC FIELDS AND SPECIAL TURF AREAS, (5) MAINTAINING GOLF COURSES, AND (6) PLANNING AND ESTABLISHING NEW TURFGRASS AREAS. INCLUDED IN EACH PROBLEM AREAS ARE OBJECTIVES, KEY QUESTIONS, NEW WORDS AND THE SUBJECT CONTENT. THE TEXTUAL MATERIAL IS SUPPLEMENTED WITH PHOTOGRAPHS, SKETCHES, DRAWINGS, FORMS AND A REFERENCE LIST. A TEST IS INCLUDED AT THE END OF EACH PROBLEM AREA. APPLICATIONS RELATE TO THE NORTHEASTERN UNITED STATES. THE TEACHER'S MANUAL IN THIS SERIES IS AVAILABLE AS VT 008 462. (DM)

VT 008 462 ED 029 1[illegible]2
TURFGRASS MAINTENANCE AND ESTABLISHMENT. A TEACHER'S MANUAL . TEACHER EDUCATION SERIES, V9 N4T.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
C9
BR-5-0222
PUB DATE - 69 183P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *TURF MANAGEMENT; *ORNAMENTAL HORTICULTURE OCCUPATION; SITE DEVELOPMENT; OCCUPATIONAL INFORMATION; PLANT SCIENCE; RESOURCE MATERIALS; TESTS; SUPPLEMENTARY TEXTBOOKS; LANDSCAPING

ABSTRACT - THIS TEACHER'S MANUAL IS ONE OF A SERIES OF INSTRUCTIONAL AIDS PREPARED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION AT THE PENNSYLVANIA STATE UNIVERSITY. IT INCLUDES SUGGESTIONS AND REFERENCES FOR THE TEACHER TO USE WITH THE STUDENT MANUAL, AVAILABLE AS VT 008 460. IN ADDITION TO THE SUBJECT MATERIAL IN THE STUDENT MANUAL, PAGES ARE INSERTED AT THE END OF EACH PROBLEM AREA CONTAINING SUGGESTIONS, REFERENCES, RESOURCE PEOPLE, AUDIO-VISUAL AIDS, SUGGESTED LEARNING ACTIVITIES, AND SUGGESTED PLACEMENT EXPERIENCES, IF APPLICABLE. A UNIT EXAMINATION IS AVAILABLE AT THE END OF THE DOCUMENT. (DM)

VT 008 477
GRAY, AVERY, ED.
SUPERVISED EXPERIENCE PROGRAM IN VOCATIONAL HORTICULTURE .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.40).
PUB DATE - JUN68 64P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *HORTICULTURE; SUPERVISED FARM PRACTICE; WORKBOOKS; *RECORDS (FORMS); *FARM ACCOUNTS; SECONDARY GRADES; COOPERATIVE EDUCATION; *ORNAMENTAL HORTICULTURE OCCUPATION

ABSTRACT - THIS RECORD BOOK WAS DEVELOPED TO PROVIDE STUDENTS ENROLLED IN VOCATIONAL AGRICULTURE OR HORTICULTURE IN HIGH SCHOOLS WITH A SUGGESTED LIST OF ACTIVITIES WHICH COULD BE APPLIED AT THEIR HOME. THE CONTENT INCLUDES SECTIONS OF: SUPERVISED HORTICULTURE EXPERIENCE AND HOME IMPROVEMENT PROGRAMS, SUPERVISED HORTICULTURE EXPERIENCE AND PRODUCTION PROGRAMS, AND SUMMARIES OF SUPERVISED HORTICULTURE EXPERIENCE PROGRAMS--FINANCIAL AND OTHER RECORDS. ACTIVITIES ARE SUGGESTED WHICH MAY BE CONDUCTED INSIDE THE HOME OR ON THE HOME GROUNDS. A SECTION IS INCLUDED FOR KEEPING RECORDS OF RECEIPTS, EXPENSES, LABOR AND INSTRUCTOR VISITS. THE MORE ADVANCED STUDENT WHO WILL BE PRODUCING A HORTICULTURAL CROP EITHER AT SCHOOL OR ELSEWHERE MAY KEEP AN ACCURATE ACCOUNT OF PROFIT OR LOSS AND DETERMINE WHY THE PROJECT PRODUCED AS IT DID. STUDENTS PARTICIPATING IN COOPERATIVE EDUCATION PROGRAMS MAY UTILIZE THIS MANUAL IN COORDINATING THEIR PROGRAM WITH THE EMPLOYER AND SUPERVISOR. RECORD FORMS ARE INCLUDED FOR SUMMARIZING ANNUAL INCOME AND EXPENSES AND FOR FUTURE FARMERS OF AMERICA ACTIVITIES AND AWARDS. (DM)

VT 008 489
BURCH, ALAN R., COMP.
SELECTED REFERENCES AND AIDS FOR TEACHING AGRICULTURAL MECHANICS TO STUDENTS OF VOCATIONAL AGRICULTURE .

PURDUE UNIV., LAFAYETTE, IND.
INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.75).
PUB DATE - MAR69 75P.

DESCRIPTORS - *BIBLIOGRAPHIES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *INSTRUCTIONAL AIDS; SECONDARY GRADES; TEXTBOOKS; AUDIO VISUAL AIDS; BULLETINS; CHARTS

ABSTRACT - DEVELOPED TO ASSIST TEACHERS IN IDENTIFYING USEFUL REFERENCE MATERIALS IN TEACHING AGRICULTURAL MECHANIZATION OR AGRICULTURAL MECHANICS, THIS REFERENCE CONTAINS BIBLIOGRAPHIC LISTINGS FOR MATERIALS IN AREAS OF: (1) AGRICULTURAL POWER, (2) AGRICULTURAL MACHINERY, (3) MATERIALS HANDLING, (4) CONSTRUCTION AND MAINTENANCE, (5) AGRICULTURAL SHOP, (6) WELDING, (7) ELECTRIFICATION, (8) SOIL AND WATER MANAGEMENT, (9) SAFETY, AND (10) GENERAL AND PROFESSIONAL. MATERIALS LISTED IN EACH AREA ARE SEPARATED INTO THE FOUR CATEGORIES OF: (1) BULLETINS AND CIRCULARS, (2) TEXTBOOKS, (3) FILMS, FILMSTRIPS AND SLIDES, AND (4) COMMERCIAL MATERIALS (LITERATURE, CHARTS, AND AIDS). ADDRESSES ARE PROVIDED FOR 17 EDUCATIONAL INSTITUTIONS, 21 COMMERCIAL COMPANIES, AND 20 TEXTBOOK PUBLISHERS WHERE MATERIALS MAY BE OBTAINED. MATERIALS ESPECIALLY SUITABLE FOR CLASSROOM USE WITH THE STUDENTS ARE IDENTIFIED BY AN ASTERISK AND THOSE MATERIALS BEST SUITED FOR TEACHER USE ARE IDENTIFIED WITH TWO ASTERISKS. THE COST IS PROVIDED FOR EACH REFERENCE. (DM)

VT 008 490
BURCH, ALAN R., COMP.; CLOUSE, JAMES P., ED.
SELECTED REFERENCES AND AIDS FOR TEACHING ANIMAL SCIENCE TO STUDENTS OF VOCATIONAL AGRICULTURE .

PURDUE UNIV., LAFAYETTE, IND.
INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.50).
PUB DATE - JUL68 58P.

DESCRIPTORS - *BIBLIOGRAPHIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *INSTRUCTIONAL AIDS; SECONDARY GRADES

ABSTRACT - DEVELOPED BY SPECIALISTS IN THE ANIMAL SCIENCES, THIS BIBLIOGRAPHY OF INSTRUCTIONAL AIDS FOR HIGH SCHOOL VOCATIONAL AGRICULTURE IS FOR USE BY TEACHERS IN IDENTIFYING USEFUL REFERENCE MATERIALS. MATERIALS ESPECIALLY RECOMMENDED AS SUITABLE FOR CLASSROOM USE WITH STUDENTS ARE IDENTIFIED BY AN ASTERISK AND MATERIALS SUITED PRIMARILY FOR TEACHER USE ARE IDENTIFIED BY TWO ASTERISKS. BULLETINS AND CIRCULARS, TEXTBOOKS, FILMS, FILMSTRIPS, SLIDES, AND COMMERCIAL MATERIALS ARE LISTED FOR EACH OF THE AREAS OF BEEF, DAIRY, POULTRY, SHEEP, SWINE, AND GENERAL ANIMAL SCIENCE. ADDRESSES ARE PROVIDED FOR 15 EDUCATIONAL INSTITUTIONS, 71 COMMERCIAL COMPANIES, AND 14 TEXTBOOK PUBLISHERS WHERE MATERIALS MAY BE OBTAINED. THE COST IS PROVIDED FOR EACH REFERENCE. (DM)

VT 008 491
GRAY, AVERY, ED.
A GUIDE FOR IMPLEMENTING THE FEDERAL HAZARDOUS OCCUPATIONS ORDER IN AGRICULTURE .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.25).
PUB DATE - APR69 26P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *WORK EXPERIENCE PROGRAMS; *FARM OCCUPATIONS:

*PROGRAM GUIDES; *FEDERAL LEGISLATION; SUPERVISED FARM PRACTICE; GRADE 9; GRADE 10
IDENTIFIERS - *HAZARDOUS OCCUPATIONS; FAIR LABOR STANDARDS ACT

ABSTRACT - A FEDERAL HAZARDOUS OCCUPATIONS ORDER FOR PERSONS UNDER 16 WHO ARE EMPLOYED IN AGRICULTURE BECAME EFFECTIVE JANUARY 1, 1968 UNDER THE FAIR LABOR STANDARDS ACT. THE ORDER LISTED 16 PROHIBITED OCCUPATIONS WHICH INCLUDE WORKING WITH CERTAIN POWER DRIVEN FARM MACHINERY, OPERATING, DRIVING OR RIDING ON A TRACTOR OVER 20-BELT HORSEPOWER, AND WORKING WITH EXPLOSIVES AND CERTAIN CHEMICALS. THIS GUIDE WAS DEVELOPED TO AID TEACHERS OF AGRICULTURE IN THE TRAINING AND PLACEMENT OF AGRICULTURAL STUDENTS UNDER 16 YEARS OF AGE IN MEANINGFUL WORK-EXPERIENCE SITUATIONS IN FARMING. EXEMPTIONS TO PERSONS MEETING THE FOLLOWING REQUIREMENTS ARE POSSIBLE: (1) EMPLOYMENT OF CHILDREN BY PARENTS ON A FARM OWNED BY THE PARENTS, (2) STUDENT LEARNERS IF THE STUDENT IS ENROLLED IN A STATE-RECOGNIZED COURSE IN AGRICULTURE AND A WRITTEN AGREEMENT IS FORMALIZED WHICH MEETS CERTAIN CONDITIONS, AND (3) OTHER PORTIONS OF THE ORDER MAY BE EXCLUDED BY THE SECRETARY OF LABOR PURSUANT TO A SATISFACTORY EDUCATIONAL PROGRAM. ITEMS INCLUDED IN THE DOCUMENT TO ASSIST TEACHERS AND STUDENTS IN COMPLYING WITH THE ORDER INCLUDE: (1) A SAMPLE TRAINING PROGRAM GUIDE, (2) A SAMPLE SKILL CHECK LIST, (3) A SAMPLE EMPLOYMENT AGREEMENT, AND (4) A BIBLIOGRAPHY. (DM)

VT 008 493
FIELDS, RALPH, ED.
AGRICULTURE MECHANICS UNITS .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.40).
PUB DATE - JUL68 44P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; SECONDARY GRADES; *TEACHING GUIDES; *FARM STRUCTURES; *AGRICULTURAL MACHINERY; TRACTORS; KINETICS

ABSTRACT - DEVELOPED BY TEACHERS OF VOCATIONAL AGRICULTURE, THIS COURSE OF STUDY IN AGRICULTURAL MECHANICS WAS DESIGNED TO ENRICH CURRENT AGRICULTURAL PROGRAMS AND ASSIST IN DEVELOPMENT OF NEW PROGRAMS. THE SIX MODULES CONTAIN 26 LESSONS IN THE AREAS OF: (1) FARM BUILDINGS, (2) MECHANICAL POWER TRANSFER SYSTEMS, (3) TRACTOR LUBRICATION, (4) THE FUEL SYSTEM, (5) COOLING SYSTEM, AND (6) TRACTOR MAINTENANCE. LESSONS CONTAIN OBJECTIVES, SUBJECT MATTER, ACTIVITIES, AND REFERENCES. A TRACTOR TUNE-UP CHECK LIST IS INCLUDED IN THE MODULE ON TRACTOR MAINTENANCE. (DM)

VT 008 495
PENNINGTON, DON, ED.; COFFS, MARVIN, ED.
STUDENT HANDBOOK FOR COOPERATIVE PROGRAMS IN AGRICULTURE .

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. DIV. OF VOCATIONAL EDUCATION
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.40).
PUB DATE - JAN68 85P.

DESCRIPTORS - *COOPERATIVE EDUCATION; *VOCATIONAL AGRICULTURE; *PROGRAM GUIDES; *WORKBOOKS; SECONDARY GRADES; *OFF FARM AGRICULTURAL OCCUPATIONS; RECORDS (FORMS)

ABSTRACT - THIS HANDBOOK WAS DEVELOPED TO AID IN THE ORGANIZATION OF COOPERATIVE PROGRAMS IN AGRICULTURAL-BUSINESS OCCUPATIONS. THROUGH ITS USE BY STUDENTS, A TEACHER-COORDINATOR HAS A RECORD OF EACH INDIVIDUAL'S OCCUPATIONAL TRAINING ACTIVITIES. THE CONTENT OF THE DOCUMENT INCLUDES A TEACHING GUIDE AND A LIST OF ADVANTAGES OF THE AGRICULTURAL OCCUPATIONS PROGRAM. SOME OF THE SAMPLE FORMS INCLUDED ARE: (1) STUDENT INFORMATION SHEET, (2) CAREER OBJECTIVE SURVEY, (3) LETTER OF APPLICATION, (4) PERSONNEL DATA SHEET, (5) APPLICATION FOR AGRI-BUSINESS EMPLOYMENT, (6) CERTIFICATE OF PHYSICAL FITNESS, (7) EMPLOYMENT CERTIFICATE, (8) TERMINATION NOTICE, (9) DUPLICATE EMPLOYMENT CERTIFICATE, (10) MINOR'S CERTIFICATE OF AGE, (11) TRAINING AGREEMENT, (12) TRAINING PLAN, (13) BUSINESS REGULATIONS, (14) AGRI-BUSINESS ORGANIZATIONAL CHART, (15) WEEKLY TRAINING STATION REPORT, (16) SUMMARY OF WORK EXPERIENCE, (17) RECORD OF EARNINGS, (18) FINANCIAL STATEMENT, AND (19) EVALUATION SHEETS. (DM)

VT 008 503
JONES, JAMES R.; ROSPRIM, LEWIS J.
AGRICULTURAL CHEMICALS EMPLOYEE.

AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, COLLEGE STATION, TEX.
SEARS ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($6.55).
PUB DATE - ND 541P.

DESCRIPTORS - *STUDY GUIDES; CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; AGRICULTURAL SUPPLIES; *AGRICULTURAL CHEMICAL OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS; SALES OCCUPATIONS; SERVICE OCCUPATIONS; HERBICIDES; INSECTICIDES; PESTICIDES; RODENTICIDES; FERTILIZERS; ASSIGNMENTS; TESTS; ANSWER KEYS

ABSTRACT - THIS TEACHER-DEVELOPED CURRICULUM GUIDE IS FOR USE BY HIGH SCHOOL OR JUNIOR HIGH STUDENTS STUDYING AGRICULTURAL CHEMICAL SALES AND SERVICES AS PART OF A COOPERATIVE PROGRAM. CONTENTS INCLUDE UNITS ON: (1) AGRICULTURAL SALES, (2) AGRICULTURAL BUSINESS PROCEDURES, (3) AGRICULTURAL CHEMICALS AND SAFETY, (4) DILUTION CHARTS AND FORMULAS, (5) EQUIPMENT FOR CHEMICAL APPLICATION, (6) INSECTS, (7) USE OF AGRICULTURAL CHEMICALS AS INSECTICIDES, (8) AGRICULTURAL CHEMICALS WITH REGARD TO LIVESTOCK AND POULTRY, (9) USE OF

AGRICULTURAL CHEMICALS AS SOIL ADDITIVES, (10) USES OF CHEMICALS AS HERBICIDES, FUNGICIDES, BACTERICIDES, AND NEMATOCIDES, (11) USE OF AGRICULTURAL CHEMICALS FOR CONTROL OF RODENTS AND PREDATORS, AND (12) USE OF AGRICULTURAL CHEMICALS AS PLANT REGULATORS. COLOR CODED FOR EASE IN USING, THIS GUIDE IS DIVIDED INTO FOUR SECTIONS, WITH THE FIRST PROVIDING ASSIGNMENT AND INFORMATION SHEETS, THE SECOND COMPRISED OF ANSWER SHEETS KEYED TO THE ASSIGNMENT SHEETS, THE THIRD CONTAINING TOPIC TESTS, AND THE FOURTH CONSISTING OF ANSWER SHEETS FOR THE TOPIC TESTS. A COURSE OUTLINE AND LISTS OF REQUIRED AND SUPPLEMENTAL REFERENCES ARE INCLUDED. (AW)

VT 008 627
PENNINGTON, DON, COMP.
ORGANIZING AND CONDUCTING PROGRAMS IN AGRICULTURAL SALES AND SERVICE OCCUPATIONS.

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. AGRICULTURE EDUCATION VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.75).
PUB DATE - MAR67 122P.

DESCRIPTORS - *PROGRAM GUIDES; *PROGRAM PLANNING; *COOPERATIVE EDUCATION; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; CURRICULUM GUIDES; GRADE 11; GRADE 12; PROGRAM DESIGN; RECORDS (FORMS); PROGRAM DEVELOPMENT; BIBLIOGRAPHIES

ABSTRACT - THE PRIMARY OBJECTIVE OF THIS HANDBOOK IS TO AID HIGH SCHOOL VOCATIONAL AGRICULTURE TEACHERS IN ORGANIZING, DEVELOPING, AND CONDUCTING COOPERATIVE OCCUPATIONAL EXPERIENCE PROGRAMS IN AGRICULTURAL SALES AND SERVICE. THE CONTENTS COVER: (1) GENERAL INFORMATION ON COOPERATIVE AGRICULTURAL SALES AND SERVICE OCCUPATIONS PROGRAMS, (2) CONDUCTING LOCAL SURVEYS, (3) SELECTION AND FUNCTIONS OF A CONSULTANT COMMITTEE, (4) PLANNING PUBLIC RELATIONS ACTIVITIES, (5) FORMULATION OF POLICIES, (6) SELECTION OF STUDENTS, (7) LEGAL ASPECTS OF THE PROGRAM, (8) TRAINING CENTER SELECTION, (9) PLACEMENT OF STUDENTS, (10) DEVELOPING RELATED INSTRUCTION, (11) COORDINATING THE PROGRAM, (12) FFA ACTIVITIES, (13) OVERALL PROGRAM EVALUATION, AND (14) RECORD-KEEPING. THE PROGRAM MAY BE SET UP AS A 1-YEAR COURSE, WITH 180 CLASS HOURS OF RELATED INSTRUCTION, OR AS A 2-YEAR COURSE, WITH 360 RELATED CLASS HOURS; THE GUIDE RECOMMENDS MODIFICATION OF THE PROGRAM BY LOCAL TEACHERS TO MEET COMMUNITY NEEDS. SAMPLE FORMS, LETTERS, AND APPLICATIONS, A GLOSSARY, AND A BIBLIOGRAPHY ARE INCLUDED. (AW)

VT 008 642
A GUIDE FOR PLANNING OCCUPATIONAL PROGRAMS IN AGRICULTURAL MECHANIZATION.

NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT PUBLICATIONS DISTRIBUTION UNIT, NEW YORK STATE DEPARTMENT OF EDUCATION, ALBANY, NEW YORK 12224 ($.50).
PUB DATE - 69 36P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; *PROGRAM GUIDES; GRADE 11; GRADE 12; PROGRAM DEVELOPMENT; OCCUPATIONAL INFORMATION; FACILITY GUIDELINES; INSTRUCTIONAL MATERIALS

ABSTRACT - DEVELOPED BY A STATE SUPERVISOR OF AGRICULTURAL EDUCATION WITH SUGGESTIONS FROM AN ADVISORY COMMITTEE REPRESENTING THE AGRICULTURE MECHANIZATION INDUSTRY, THIS PROGRAM GUIDE IS FOR USE BY TEACHERS IN DESIGNING AND IMPLEMENTING A COURSE OF STUDY IN AGRICULTURAL MACHINERY. STUDENTS SHOULD BE PLANNING EMPLOYMENT AS MECHANICS, EQUIPMENT OPERATORS, OR AS SALES WORKERS IN AGRICULTURE EQUIPMENT BUSINESSES. CHAPTERS ARE: (1) PLANNING PROGRAMS IN AGRICULTURAL MECHANIZATION, (2) SUGGESTIONS FOR DEVELOPING COURSES OF STUDY, (3) SUGGESTIONS FOR PLANNING THE FACILITIES FOR AGRICULTURAL MECHANIZATION PROGRAMS, (4) SUGGESTIONS FOR DEVELOPING LISTS OF NEEDED EQUIPMENT AND SUPPLIES, AND (5) SUGGESTIONS FOR SELECTING INSTRUCTIONAL MATERIALS. PORTIONS OF THIS MATERIAL MAY BE ADAPTED FOR USE IN PRE-OCCUPATIONAL INFORMATION PROGRAMS AT THE JUNIOR-HIGH SCHOOL LEVEL; HOWEVER, THE COURSE OF STUDY WAS SPECIFICALLY DEVELOPED FOR 11TH AND 12TH GRADE VOCATIONAL AGRICULTURE STUDENTS. COURSE CONTENT IS RECOMMENDED FOR VARIOUS UNITS INCLUDING: (1) ORIENTATION TO THE WORLD OF WORK, (2) AGRICULTURAL POWER MECHANICS, (3) SOIL PREPARATION EQUIPMENT, (4) DISEASE AND PEST CONTROL EQUIPMENT, (5) HARVESTING EQUIPMENT, (6) FOREST, SOIL, AND WATER MANAGEMENT EQUIPMENT, (7) AGRICULTURAL STRUCTURE, (8) PLANNING A SHOP SAFETY PROGRAM, AND (9) AGRICULTURAL MACHINERY BUSINESS MANAGEMENT. (DM)

VT 008 646
FARM BUSINESS MANAGEMENT REPORT, 1968.

SAINT CLOUD PUBLIC SCHOOLS, MINN. AREA VOCATIONAL-TECHNICAL SCHOOL
PUB DATE - 68 30P.

DESCRIPTORS - BULLETINS; *FARM MANAGEMENT; *FARM ACCOUNTS; *ADULT FARMER EDUCATION; *RECORDKEEPING; FARMERS; *AGRICULTURAL EDUCATION; AGRICULTURAL PRODUCTION; ACTIVITY LEARNING; SUPERVISED FARM PRACTICE

ABSTRACT - PART OF THE CENTRAL MINNESOTA FARM MANAGEMENT EDUCATION PROGRAM, THIS 1968 REPORT IS A FINANCIAL SUMMARY OF THE INDIVIDUAL FARM BUSINESS ANALYSIS MADE BY HIGH SCHOOL AGRICULTURE INSTRUCTORS TAKING PART IN THE PROGRAM. CONCERNED WITH THE PRACTICES AND PRINCIPLES USED IN MAKING DECISIONS ABOUT ALTERNATIVE WAYS OF USING LAND, LABOR, CAPITAL, AND MANAGEMENT ABILITY TO ACQUIRE THE GREATEST NET INCOME FROM FARMING, THE FARM MANAGEMENT PROGRAM IS CARRIED ON FOR THE PURPOSE OF HELPING FARM FAMILIES IN RECORDKEEPING, FARM ACCOUNTS, AND FARM BUSINESS ANALYSIS THROUGH A COOPERATIVE PROGRAM OF BOTH CLASSROOM INSTRUCTION AND ON-FARM INDIVIDUAL INSTRUCTION. SOME OF THE AREAS COVERED ARE: (1) RANGE OF OPERATOR EARNINGS, (2) CASH AND ACCRUAL STATEMENTS,

(3) FEED COSTS AND RETURN ON VARIOUS TYPES OF LIVESTOCK, (4) CAPITAL, ASSETS, AND LIABILITIES, (5) LIVESTOCK PRODUCTION AND WORK OUTPUT, (6) 5-YEAR AVERAGE YIELDS, (7) CROPS GROWN, ACRE YIELDS, AND LAND USE, (8) COSTS FOR POWER, BUILDINGS, AND EQUIPMENT USE, (9) FARM ORGANIZATION AND MANAGEMENT EFFICIENCY, (10) FARM MANAGEMENT FACTORS OVER A 4-YEAR PERIOD, (11) MANAGEMENT MEASURES FOR 1968, AND (12) COMPARISON OF FARM MANAGEMENT FACTORS FOR BOTH HIGH AND LOW EARNING GROUPS. THE BULLETIN IS ILLUSTRATED WITH CHARTS, GRAPHS, AND TABLES. (AW)

VT 008 663
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN APPLIED AGRICULTURAL ECONOMICS BASIC TO FARMING. VO. AG. ED. NO. 24.

LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
VOCATIONAL AGRICULTURAL EDUCATION DEPARTMENT, LOUISIANA STATE UNIVERSITY, BATON ROUGE, LOUISIANA 70803 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - JUN68 113P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; LESSON PLANS; *AGRICULTURAL PRODUCTION; COURSE ORGANIZATION; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); *ECONOMICS

ABSTRACT - DEVELOPED BY A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION AND FUNDED BY THE VOCATIONAL DIVISION OF THE LOUISIANA STATE DEPARTMENT OF EDUCATION, THIS TEACHING GUIDE IS FOR USE BY VOCATIONAL AGRICULTURE TEACHERS WITH A BASIC KNOWLEDGE OF AGRICULTURAL ECONOMICS IN TRAINING PROSPECTIVE FARMERS. DESIGNED FOR USE IN HIGH SCHOOLS AND AREA VOCATIONAL SCHOOLS, THE CONTENT IS DIVIDED INTO 3 MAJOR SUBJECT AREAS: BECOMING ESTABLISHED IN FARMING, PLANNING FOR MAXIMUM PROFITS, AND SPECIAL CONDITIONS AFFECTING FARMERS. THE FIRST SECTION INCLUDES SUCH BASIC ASPECTS AS GETTING STARTED IN FARMING, SECURING A FARM, ESTABLISHING GOALS, VOLUME IN THE FARM BUSINESS, PLANNING AND FINANCING THE FARM BUSINESS, AND KEEPING FARM RECORDS AND ACCOUNTS. SOME AREAS COVERED IN SECTION II ARE INVENTORYING, ANALYZING AND IMPROVING FARM BUSINESS, PLANNING CROPPING AND LIVESTOCK SYSTEMS, PLANNING THE PHYSICAL LAYOUT, BENEFICIAL UTILIZATION OF FARM MACHINERY AND LABOR, AND MARKETING FARM PRODUCTS. THE THIRD UNIT DEALS WITH LEGAL PROBLEMS OF FARMERS, PREPARATION OF INCOME TAX AND SOCIAL SECURITY FORMS, AGRICULTURAL ORGANIZATIONS, AND GOVERNMENTAL AGRICULTURAL AGENCIES. LESSON PLANS ARE PROVIDED FOR EACH AREA WHICH EMPHASIZE STUDENT PARTICIPATION AND PROJECTS. REFERENCE LISTS, TABLES, RELATED TEXTS, TEACHING AIDS, AND LISTS OF VISUAL AIDS ARE INCLUDED. (AW)

VT 008 681
BYRAM, HAROLD M.
OCCUPATIONS FOR YOUTH IN AGRICULTURE. CHARTS AND SUGGESTIONS FOR USE .

INTERSTATE PRINTERS AND PUBLISHERS, INC., 19-27 NORTH JACKSON STREET, DANVILLE, ILLINOIS 61832.
PUB DATE - 68 10P.

DESCRIPTORS - *CHARTS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL OCCUPATIONS; *OCCUPATIONAL INFORMATION; GRADE 9; CLASSROOM GUIDANCE PROGRAMS; *AGRICULTURAL EDUCATION

ABSTRACT - THESE CHARTS WERE DEVELOPED TO HELP HIGH SCHOOL STUDENTS VISUALIZE THE VAST NUMBER AND WIDE VARIETY OF OPPORTUNITIES IN AGRICULTURE THAT ARE OPEN TO PERSONS HAVING AGRICULTURAL BACKGROUND AND/OR TRAINING. THE AGRICULTURAL OCCUPATIONS ARE CLASSIFIED INTO THE FOUR BROAD CATEGORIES OF AGRICULTURAL PRODUCTION, AGRICULTURAL BUSINESS, TECHNICAL AND MECHANICAL OCCUPATIONS, AND PROFESSIONS AND WORK WITH PEOPLE. EXAMPLES ARE INCLUDED OF 110 OCCUPATIONS IN 11 SUB-GROUPS. THE CHARTS ARE DESIGNED TO SHOW ONLY THE TITLES OF OCCUPATIONS. THE CHARTS MAY BE USED WITH FIRST YEAR STUDENTS IN VOCATIONAL AGRICULTURE, IN REVIEWING OCCUPATIONS WITH STUDENTS OF HIGHER GRADES, AND AS POSTERS FOR CLASSROOM WALLS. (DM)

VT 008 764
REPRODUCTION AND GENETICS IN FARM ANIMALS (TRANSPARENCY MASTERS).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
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PUB DATE - 68 15P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; LIVESTOCK; *BREEDING; INSTRUCTIONAL AIDS; SECONDARY GRADES
IDENTIFIERS - *GENETICS

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE 14 TRANSPARENCY MASTERS IN TEACHING ANIMAL REPRODUCTION AND GENETICS TO HIGH SCHOOL CLASSES. TITLES OF TRANSPARENCIES INCLUDE: (1) THE REPRODUCTIVE ORGANS OF A COW, (2) REPRODUCTIVE ORGANS OF THE BULL, (3) REPRODUCTIVE ORGANS OF A SOW, (4) REPRODUCTIVE ORGANS OF THE BOAR, (5) COW OVARY, (6) RECTAL PALPITATION TO DETERMINE PREGNANCY, (7) CALF DURING POSITION OF PARTURITION, (8) EMBRYOLOGICAL FREAKS, (9) SCHEMATIC DRAWING OF A PAIR OF CHROMOSOMES, (10) INHERITANCE OF HORNS IN CATTLE, (11) SEX DETERMINATION, AND (12) DWARFISM. (DM)

VT 008 765
ANIMAL SCIENCE--GENERAL (TRANSPARENCY MASTERS).

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EDUCATION, STATE DEPARTMENT OF EDUCATION,
COLUMBIA, SOUTH CAROLINA 29201 (ONE PER STATE
SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 69 8P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *CATTLE; SECONDARY GRADES; INSTRUCTIONAL AIDS; HISTORY

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE TRANSPARENCY MASTERS IN TEACHING ANIMAL SCIENCE TO HIGH SCHOOL CLASSES. SEVEN SLIDES ARE INCLUDED TO COVER THE HISTORY, ZOOLOGICAL CLASSIFICATION, AND TYPES OF CATTLE. (DM)

VT 008 766
SWINE (TRANSPARENCY MASTERS).

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EDUCATION, STATE DEPARTMENT OF EDUCATION,
COLUMBIA, SOUTH CAROLINA 29201 (ONE PER STATE
SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 68 10P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *SWINE; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE TRANSPARENCY MASTERS IN TEACHING ANIMAL SCIENCE TO HIGH SCHOOL CLASSES. TITLES ARE: (1) RELATIVE VALUE OF FEED GRAIN FOR HOGS COMPARED WITH CORN, (2) NUTRIENT REQUIREMENTS FOR SWINE IN PERCENTAGE OF TOTAL RATION, (3) PARTS OF A HOG, (4) WHOLESALE TRIM CUTS FROM ONE-HALF OF TYPICAL 200 LB. MARKET HOG, (5) IDEAL MEAT-TYPE HOG OF TODAY, (6) COMMON FAULTS OF SWINE, (7) LITTER IDENTIFICATION WITH THE STANDARD EAR-NOTCHING SYSTEM, (8) FEEDER PIG VALUE GUIDE AND (9) WHOLESALE CUTS OF PORK. (DM)

VT 008 767
BREEDING LIVESTOCK. (TRANSPARENCY MASTERS).

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RUTLEDGE BUILDING, OFFICE OF VOCATIONAL
EDUCATION, STATE DEPARTMENT OF EDUCATION,
COLUMBIA, SOUTH CAROLINA 29201 (ONE PER STATE
SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 68 7P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *LIVESTOCK; *BREEDING; INSTRUCTIONAL AIDS; SECONDARY GRADES

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE TRANSPARENCY MASTERS IN TEACHING ANIMAL SCIENCE TO HIGH SCHOOL CLASSES. TITLES ARE: (1) PARTS OF A STEER, (2) PARTS OF A HOG, (3) COMMON FAULTS OF SWINE, (4) IDEAL MEAT-TYPE HOG OF TODAY, (5) DEEP UTERINE INSEMINATION, AND (6) ARTIFICIAL VAGINA. (DM)

VT 008 771
BREED IDENTIFICATION (TRANSPARENCY MASTERS).

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EDUCATION, STATE DEPARTMENT OF EDUCATION,
COLUMBIA, SOUTH CAROLINA 29201 (ONE PER STATE
SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 68 36P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *CATTLE; *SWINE; INSTRUCTIONAL AIDS; SECONDARY GRADES

ABSTRACT - THESE INSTRUCTIONAL AIDS WERE DEVELOPED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN HIGH SCHOOL ANIMAL SCIENCE CLASSES. INCLUDED ARE 35 COLORED TRANSPARENCIES OF THE VARIOUS CATTLE AND SWINE BREEDS. STATE SUPERVISORS OF AGRICULTURE EDUCATION MAY OBTAIN A COPY OF THESE MATERIALS FOR REPRODUCTION IN THEIR RESPECTIVE STATE. (EM)

VT 008 783
HOOVER, NORMAN, AND OTHERS
TEACHER'S GUIDE FOR THE EFFECTIVE USE OF
SUPERVISED OCCUPATIONAL EXPERIENCE IN
AGRICULTURE, PLANS AND RECORDS.

FRENCH-BRAY PRINTING CO., BALTIMORE, MD.
FRENCH-BRAY PRINTING COMPANY, CANDLER
BUILDING, BALTIMORE, MARYLAND 21202 ($.60).
PUB DATE - 69 12P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *FARM ACCOUNTS; *COOPERATIVE EDUCATION; *RECORDKEEPING; SUPERVISED FARM PRACTICE; SECONDARY GRADES

ABSTRACT - A NATIONAL COMMITTEE OF TEACHER EDUCATORS AND SUPERVISORS DEVELOPED THIS TEACHING GUIDE FOR USE IN HIGH SCHOOL CLASSES OF VOCATIONAL AGRICULTURE FOR INSTRUCTION IN KEEPING RECORDS ON SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAMS. AREAS OF DISCUSSION INCLUDE: (1) WHAT IS SUPERVISED OCCUPATIONAL EXPERIENCE, (2) FOR WHOM IS SUPERVISED OCCUPATIONAL EXPERIENCE INTENDED, (3) WHAT ARE SOME BASIC PRINCIPLES TO BE OBSERVED, (4) LOCATING AND APPROVING ESTABLISHMENTS FOR COOPERATIVE VOCATIONAL EDUCATION PROGRAMS, (5) PLANS FOR GETTING STARTED IN AN AGRICULTURAL OCCUPATION, (6) WHERE I WORK, (7) MY OCCUPATIONAL EXPERIENCE PROGRAM PLANS, (8) SUMMARY OF IMPROVEMENT PROJECTS, (9) EMPLOYMENT AGREEMENT, AND (10) OCCUPATIONAL EXPERIENCES AND FINANCIAL RECORDS. EXAMPLES OF RECORD ENTRIES AND A REFERENCE LIST ARE INCLUDED. THIS DOCUMENT IS A REVISION OF VT 001 589 AND VT 001 590 (AIM FALL 1968). (DM)

VT 008 822
ANIMAL SCIENCE--BREEDING LIVESTOCK (TRANSPARENCY MASTERS).

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PUB DATE - 68 15P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *BREEDING; POULTRY; LIVESTOCK; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE TRANSPARENCIES AND STUDENT HAND-OUTS PRODUCED FROM THESE 14 TRANSPARENCY MASTERS IN TEACHING ANIMAL REPRODUCTION TO HIGH SCHOOL CLASSES. TITLES INCLUDE: (1) ABNORMAL CALF PRESENTATION, (2) REPRODUCTIVE ORGANS OF THE HEN, (3) REPRODUCTIVE ORGANS OF THE ROOSTER, (4) PARENT GERM CELLS, (5) BREEDING DATA ON DOMESTIC ANIMALS, (6) CHECK DEVELOPMENT IN THE EGG, (7) INBREEDING, (8) LINE BREEDING, (9) CRISSCROSSING, (10) CROSSBREEDING, AND (11) UPGRADING. (DM)

VT 008 827
JOHNSON, JOHNNY M.; WEBB, EARL S.
WHY NOT CHOOSE A CAREER IN ORNAMENTAL HORTICULTURE?

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EXPERIMENT STATION
TEXAS OCCUPATIONAL RESEARCH COORDINATING UNIT, AUSTIN
PUB DATE - JUN69 8P.

DESCRIPTORS - *OCCUPATIONAL INFORMATION; *ORNAMENTAL HORTICULTURE OCCUPATION; *STUDY GUIDES; *VOCATIONAL AGRICULTURE; GROUP GUIDANCE; *OCCUPATIONAL GUIDANCE; CAREER CHOICE; SECONDARY GRADES
IDENTIFIERS - TEXAS

ABSTRACT - THIS PUBLICATION WAS DEVELOPED TO PROVIDE INFORMATION FOR PERSONS CONSIDERING A CAREER IN THE ORNAMENTAL HORTICULTURE FIELD. QUESTIONS TO CONSIDER BEFORE DECIDING ON A CAREER IN THE HORTICULTURAL INDUSTRY INCLUDE: (1) DO YOU LIKE TO WORK WITH PLANTS, (2) ARE YOU WILLING AND PHYSICALLY ABLE TO WORK HARD FOR LONG HOURS, (3) IS THE BEGINNING WAGE MORE IMPORTANT THAN ACHIEVING A LONG-RANGE GOAL, (4) DO YOU HAVE THE PROPER ATTITUDE, AND (5) DO YOU LIKE TO WORK WITH PEOPLE. SECTIONS INCLUDE: (1) INVESTIGATE FOR YOURSELF, (2) PREPARING FOR THE OCCUPATION, (3) WAGES AND HOURS, (4) FRINGE BENEFITS, AND (5) ON-THE-JOB TRAINING. VOCATIONAL AGRICULTURE TEACHERS MAY USE THIS MATERIAL WITH HIGH SCHOOL CLASSES TO ASSIST STUDENTS IN MAKING THEIR OCCUPATIONAL CHOICE. (DM)

VT 008 828
KNOTTS, C. DON; WEBB, EARL S.
WHY NOT BE A FARM TRACTOR AND IMPLEMENT PARTSMAN?

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EXPERIMENT STATION
TEXAS OCCUPATIONAL RESEARCH COORDINATING UNIT, AUSTIN
PUB DATE - JUN69 8P.

DESCRIPTORS - *OCCUPATIONAL INFORMATION; *AGRICULTURAL MACHINERY OCCUPATIONS; *STUDY GUIDES; SECONDARY GRADES; CAREER CHOICE; *VOCATIONAL AGRICULTURE; GROUP GUIDANCE; *OCCUPATIONAL GUIDANCE
IDENTIFIERS - TEXAS

ABSTRACT - THIS PUBLICATION WAS DEVELOPED AS PART OF A RESEARCH PROJECT TO PROVIDE OCCUPATIONAL INFORMATION ABOUT THE AGRICULTURAL MACHINERY PARTSMAN AND TO SUGGEST REALISTIC MEANS OF GAINING EXPLORATORY EXPERIENCE IN THE OCCUPATION. THE NEED FOR WELL-QUALIFIED PARTSMEN WAS DOCUMENTED IN A STUDY BY THE TEXAS EDUCATION AGENCY; MORE THAN 50 PERCENT OF THE FARM MACHINERY MANAGERS INTERVIEWED STATED THAT PARTSMEN WERE IN EXTREMELY SHORT SUPPLY. SOME QUESTIONS TO CONSIDER BEFORE CHOOSING THIS AREA AS AN OCCUPATION INCLUDE: (1) DO YOU HAVE THE INTEREST, APTITUDE AND PROPER ATTITUDE TO SUCCEED, (2) ARE YOU WILLING TO OBTAIN EXPERIENCE IN PARTS DEPARTMENTS THROUGH OBSERVATION AND PART-TIME EMPLOYMENT, (3) DO YOU UNDERSTAND THE WORKING CONDITIONS OF A PARTSMAN, (4) WHAT TYPE OF TRAINING PROGRAM WILL BEST PREPARE YOU TO BE A PARTSMAN, (5) WHAT ARE THE WAGES AND HOURS OF PEOPLE EMPLOYED AS PARTSMEN, (6) WHAT ARE THE ADVANCEMENT OPPORTUNITIES, (7) WHAT ARE THE FRINGE BENEFITS, AND (8) WHAT ARE THE TRAINING OPPORTUNITIES. VOCATIONAL AGRICULTURE TEACHERS MAY USE REFERENCE IN TEACHING AGRICULTURAL OCCUPATIONS TO HIGH SCHOOL STUDENTS. (DM)

VT 008 933
ANIMAL SCIENCE (TRANSPARENCY MASTERS).

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PUB DATE - 68 27P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *ANIMAL SCIENCE; LIVESTOCK; POULTRY; SECONDARY GRADES; INSTRUCTIONAL AIDS; STATISTICAL DATA
IDENTIFIERS - *SOUTH CAROLINA

ABSTRACT - DEVELOPED BY A TEACHER AND TEACHER TRAINER IN COOPERATION WITH A VOCATIONAL EDUCATION MEDIA CENTER, THESE 26 TRANSPARENCY MASTERS MAY BE USED BY TEACHERS OF AGRICULTURE IN TEACHING HIGH SCHOOL STUDENTS IN PRODUCTION AGRICULTURE. INSTRUCTIONAL AIDS IN ANIMAL SCIENCE WHICH MAY BE DEVELOPED FROM THESE MASTERS INCLUDE: (1) THE HISTORY OF SWINE, (2) FARM ANIMAL TERMINOLOGY, (3) GROSS

INCOME AND PRODUCTION OF DAIRY CATTLE, CHICKEN, BROILERS, SWINE, AND BEEF CATTLE, (4) PER CAPITA CONSUMPTION OF SELECTIVE LIVESTOCK PRODUCTS, (5) PERCENTAGE OF CASH RECEIPTS FROM FARMING, (6) CONSUMPTION AND PRODUCTION OF PORK AND BEEF, (7) LIVESTOCK GOALS FOR SOUTH CAROLINA, (9) VALUE OF LIVESTOCK PRODUCTS PROJECTIONS, AND (9) CROP LAND AND ITS USAGE IN SOUTH CAROLINA. (DM)

VT 008 934
FEEDS AND FEEDING (TRANSPARENCY MASTERS).

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PUB DATE - 68 26P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *NUTRITION; AGRICULTURAL PRODUCTION; SECONDARY GRADES; INSTRUCTIONAL AIDS; *FEEDS

ABSTRACT - TEACHERS OF VOCATIONAL AGRICULTURE MAY USE THESE TRANSPARENCY MASTERS IN DEVELOPING INSTRUCTIONAL AIDS FOR HIGH SCHOOL CLASSES STUDYING BASIC PRINCIPLES OF ANIMAL SCIENCE. THE 21 ILLUSTRATIONS COVER: (1) NUTRITIVE CONTENT OF ANIMAL BODIES AND PRODUCTS, (2) MORRISON'S FEEDINGS STANDARD, (3) DAILY REQUIREMENTS OF DAIRY CATTLE, (4) THE NUTRITIVE VALUE OF GRAIN, (5) THE NUTRITIVE VALUE OF ROUGHAGES, (6) NUTRIENTS, (7) WATER, (8) CARBOHYDRATES, (9) FATS, (10) PROTEIN, (11) MINERALS, (12) VITAMINS, (13) SIMPLE CIRCULATORY SYSTEM, AND (14) THE DIGESTIVE SYSTEMS OF POULTRY, PIG AND MAN, AND CATTLE. (DM)

VT 008 935
ANIMAL SCIENCE, INSECTS AND PARASITES (TRANSPARENCY MASTERS).

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PUB DATE - 68 12P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *ENTOMOLOGY; *PARASITOLOGY; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE THESE TRANSPARENCY MASTERS IN DEVELOPING INSTRUCTIONAL AIDS FOR USE IN HIGH SCHOOL CLASSES. THE EIGHT TITLES ARE: (1) GROWTH SCHEMES BY WHICH INSECTS MATURE, (2) PARASITE CONTROL, (3) LIFE CYCLE OF THE STOMACH WORMS, (4) LIFE CYCLE OF THE HORN FLY, (5) LIFE HISTORY AND HABITS OF THE LARGE INTESTINAL ROUNDWORM, (6) LIFE HISTORY AND HABITS OF COCCIDIA, (7) LARGE ROUNDWORMS AND CECAL WORMS, AND (8) LIFE CYCLE OF COMMON RED CHICKEN MITES. (DM)

VT 008 936
ANIMAL SCIENCE--HEALTH (TRANSPARENCY MASTERS).

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PUB DATE - 68 11P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; SECONDARY GRADES; INSTRUCTIONAL AIDS; *DISEASES; *DISEASE CONTROL; HEALTH

ABSTRACT - DEVELOPED BY A TEACHER AND TEACHER EDUCATOR IN COOPERATION WITH A VOCATIONAL EDUCATION MEDIA CENTER, THESE TRANSPARENCY MASTERS ARE FOR USE BY AGRICULTURE TEACHERS IN DEVELOPING INSTRUCTIONAL AIDS FOR HIGH SCHOOL CLASSES OF PRODUCTION AGRICULTURE. THESE 10 MASTERS ON ANIMAL SCIENCE HEALTH HAVE SUCH TITLES AS: (1) NORMAL BODY TEMPERATURES OF DOMESTIC ANIMALS, (2) CAUSES OF DISEASE, (3) CATTLE DISEASES, (4) SWINE DISEASES, (5) POULTRY DISEASES, (6) DISEASE CONTROL, AND (7) DISEASE SYMPTOMS. (DM)

VT 008 949
RUTTLE, TERENCE
HOW TO GRADE FURS. PUBLICATION 1362.

CANADIAN DEPT. OF AGRICULTURE, OTTAWA (ONTARIO)
INFORMATION DIVISION, CANADA DEPARTMENT OF AGRICULTURE, OTTAWA, ONTARIO, CANADA (NO CHARGE).
PUB DATE - 69 89P.

DESCRIPTORS - OCCUPATIONAL INFORMATION; *TEXTBOOKS; *AGRICULTURAL EDUCATION; *ANIMAL SCIENCE; *WILDLIFE MANAGEMENT; GRADING; PHOTOGRAPHS; CONSUMER EDUCATION
IDENTIFIERS - *FUR GRADING; FURS; FUR GRADERS

ABSTRACT - GENERAL PRINCIPLES THAT GOVERN GRADING OF RAW SKINS OF WILD CANADIAN FUR-BEARING ANIMALS ARE DESCRIBED WITHOUT UNDUE TECHNICAL DETAIL. PERSONAL EXPERIENCES BY THE AUTHOR ASSIST IN POINTING OUT A WIDE VARIETY OF FACTORS AFFECTING PELT VALUE. THE CONTENT INCLUDES SECTIONS OF: (1) WHO WANTS TO BE A FUR GRADER, (2) WHAT IS FUR GRADING, (3) FACTORS TO CONSIDER, (4) GRADES, (5) LONG-HAIRED FURS, (6) SHORT-HAIRED FURS, AND (7) HANDLING PELTS. FACTORS TO CONSIDER INCLUDES SIZE, COLOR, AMOUNT OF FUR, COMPLETENESS OF FUR, DAMAGE TO FUR AND SKIN, SEASONABLENESS, AND APPEARANCE. THE HANDLING OF PELT IS DISCUSSED UNDER HEADINGS OF SCRAPING, CLEANING, BLENDING, STRETCHING AND DRYING, AND PACKAGING. THE FIRST PART OF THE BOOK DEALS WITH GENERAL PRINCIPLES CONTROLLING

GRADING OF FURS AND A LATER SECTION DISCUSSES DIFFERENT TYPES OF CANADIAN FUR AND SHOWS HOW THE GENERAL PRINCIPLES OF GRADING APPLY TO EACH VARIETY OR SPECIES. (DM)

VT 008 958
BREEDING LIVESTOCK (TRANSPARENCY MASTERS).

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PUB DATE - 68 14P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *POULTRY; *LIVESTOCK; SECONDARY GRADES; INSTRUCTIONAL AIDS; ANATOMY

ABSTRACT - HIGH SCHOOL VOCATIONAL AGRICULTURE TEACHERS MAY USE THESE 12 TRANSPARENCY MASTERS IN DEVELOPING INSTRUCTIONAL AIDS IN ANIMAL SCIENCE. TITLES OF TRANSPARENCIES INCLUDE: (1) INTERNAL ORGANS OF POULTRY, (2) PARTS OF A DAIRY COW, (3) INTERNAL ORGANS OF THE COW, (4) PARTS OF SINGLE-COMB WHITE LEGHORNS, (5) SKELETON OF A FOWL, (6) LARD-TYPE HOG, (7) IDEAL MEAT-TYPE HOG OF TODAY, (8) LEGHORN, AND (9) WHITE PLYMOUTH ROCK. (DM)

VT 008 984
STATISTICS-CENSUS (TRANSPARENCY MASTERS).

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PUB DATE - 68 63P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *STATISTICAL DATA; *RECORDS (FORMS); *AGRICULTURAL TRENDS; CENSUS FIGURES; AGRICULTURAL PRODUCTION; SECONDARY GRADES; INSTRUCTIONAL AIDS
IDENTIFIERS - *SOUTH CAROLINA

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS DEVELOPED FROM THESE TRANSPARENCY MASTERS IN TEACHING HIGH SCHOOL CLASSES. THE 62 MASTERS PROVIDE STATISTICAL DATA FOR THE STATE OF SOUTH CAROLINA AND BLANK FORMS SO THE LOCAL TEACHER MAY FILL IN FIGURES RELATING TO HIS LOCAL COUNTY. INCLUDED ARE DATA RELATING TO: (1) THE SIZE AND NUMBER OF FARMS, (2) TRENDS IN FARM SIZE, (3) TYPES OF FARMS, (4) UTILIZATION OF FARM LAND, (5) MAJOR CHARACTERISTICS OF FARM OPERATORS, (6) MAJOR SOURCES OF FARM INCOME, (7) NUMBER OF LIVESTOCK, (8) RANGE IN NON-FARM INCOME, (9) LIVESTOCK PRODUCTION, AND (10) CROP PRODUCTION. (DM)

VT 009 035
TRAINING PLAN OUTLINES FOR MANPOWER DEVELOPMENT AND TRAINING ACT COURSES FOR FARM MACHINERY OPERATORS AND DAIRY EQUIPMENT OPERATORS.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. DIV. OF MANPOWER DEVELOPMENT AND TRAINING
PUB DATE - 65 25P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *AGRICULTURAL MACHINERY OCCUPATIONS; *FARM MECHANICS (OCCUPATION); *ADULT VOCATIONAL EDUCATION; COURSE CONTENT; COURSE ORGANIZATION; PROGRAM COSTS; FEDERAL PROGRAMS
IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS

ABSTRACT - PREPARED BY TRAINING AGENCIES UNDER PROVISIONS OF THE MANPOWER DEVELOPMENT AND TRAINING ACT (MDTA), THESE EXAMPLES OF TRAINING PLAN OUTLINES FOR ENTRY LEVEL AND REFRESHER MDTA COURSES ARE DESIGNED TO PREPARE TRAINEES FOR EMPLOYMENT AS FARM MACHINERY OPERATORS AND DAIRY EQUIPMENT OPERATORS. BRIEF DESCRIPTIVE INFORMATION AND A TOPICAL OUTLINE OF EACH COURSE COVER: (1) MAJOR UNITS, (2) CLOCK HOURS, (3) SPECIFIC JOB SKILLS TO BE DEVELOPED, (4) INSTRUCTIONAL MATERIALS, TEACHING AIDS, AND NEW EQUIPMENT, AND (5) EVALUATION OF PROGRESS AND ACHIEVEMENT. SOME OUTLINES ALSO INCLUDE PROPOSED COURSE BUDGETS. COURSES RANGING IN LENGTH FROM 315 TO 420 CLOCK HOURS ARE OUTLINED. (AW)

VT 009 051
TRAINING PLAN OUTLINES FOR MANPOWER DEVELOPMENT AND TRAINING ACT COURSES FOR GENERAL FARMHANDS, SUGAR CANE FARMHANDS, DAIRY FARMHANDS, AND POULTRY FARMHANDS.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. DIV. OF MANPOWER DEVELOPMENT AND TRAINING
PUB DATE - 65 32P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *FARM OCCUPATIONS; *FARM LABOR; *ADULT VOCATIONAL EDUCATION; COURSE CONTENT; COURSE ORGANIZATION; PROGRAM COSTS; FEDERAL PROGRAMS
IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS

ABSTRACT - PREPARED BY TRAINING AGENCIES UNDER PROVISIONS OF THE MANPOWER DEVELOPMENT AND TRAINING ACT (MDTA), THESE EXAMPLES OF TRAINING PLAN OUTLINES FOR ENTRY LEVEL AND REFRESHER MDTA COURSES ARE DESIGNED TO PREPARE TRAINEES FOR EMPLOYMENT AS GENERAL FARMHANDS, DAIRY FARMHANDS, SUGAR CANE FARMHANDS, AND POULTRY FARMHANDS. BRIEF DESCRIPTIVE INFORMATION AND A TOPIC OUTLINE OF EACH COURSE COVER: (1) MAJOR UNITS, (2) CLOCK HOURS, (3) SPECIFIC JOB SKILLS TO BE DEVELOPED, (4) INSTRUCTIONAL MATERIALS, TEACHING AIDS, AND NEW EQUIPMENT, AND (5) EVALUATION OF PROGRESS AND ACHIEVEMENT. COURSES RANGE IN LENGTH FROM 210 TO 800 CLOCK HOURS. (AW)

VT 009 071
SOME VO-AG CLASSROOM AND LABORATORY INSTRUCTIONAL AIDS.

NORTH DAKOTA STATE UNIV., FARGO. DEPT. OF AGRICULTURAL EDUCATION
THE NORTH DAKOTA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, DEPARTMENT OF AGRICULTURAL EDUCATION, FARGO, NORTH DAKOTA 58102 (SINGLE COPIES FREE TO TEACHER-EDUCATORS AND STATE SUPERVISORS OF AGRICULTURAL EDUCATION).
PUB DATE - NOV64 8P.

DESCRIPTORS - *RESOURCE MATERIALS; EQUIPMENT STANDARDS; *SUPPLIES; *INSTRUCTIONAL MATERIALS; *LABORATORY EQUIPMENT; *VOCATIONAL AGRICULTURE

ABSTRACT - THIS MIMEOGRAPHED BULLETIN IS DESIGNED TO AID NORTH DAKOTA SCHOOL ADMINISTRATORS IN DETERMINING INSTRUCTIONAL EQUIPMENT AND AIDS NEEDED FOR THEIR VOCATIONAL AGRICULTURE DEPARTMENTS. GROUPED BY INSTRUCTIONAL AREAS, THE MATERIALS LISTED RELATE TO: (1) CROPS, (2) DAIRY, (3) HORTICULTURE, (4) LIVESTOCK, GENERAL, AND (5) SOILS. LISTINGS PROVIDE A BRIEF DESCRIPTION, THE RECOMMENDED QUANTITY, AND THE COST OF EACH ITEM. A LIST OF AGRICULTURAL ASSOCIATIONS AND RELATED DOCUMENT IS AVAILABLE AS VT 009 079 (IN THIS ISSUE). (AW)

VT 009 077
SUGGESTED FILMS FOR NORTH DAKOTA VOCATIONAL AGRICULTURE DEPARTMENTS.

NORTH DAKOTA STATE UNIV., FARGO. DEPT. OF AGRICULTURAL EDUCATION
THE NORTH DAKOTA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, DEPARTMENT OF AGRICULTURAL EDUCATION, FARGO, NORTH DAKOTA 58102 (SINGLE COPIES FREE TO TEACHER-EDUCATORS AND STATE SUPERVISORS OF AGRICULTURAL EDUCATION).
PUB DATE - JAN68 26P.

DESCRIPTORS - *RESOURCE MATERIALS; *FILMS; *INSTRUCTIONAL AIDS; *VOCATIONAL AGRICULTURE; BIBLIOGRAPHIES

ABSTRACT - THIS MIMEOGRAPHED BULLETIN IS DESIGNED TO AID NORTH DAKOTA VOCATIONAL AGRICULTURE INSTRUCTORS IN SELECTING SUITABLE FILMS AND FILMSTRIPS AS TEACHING RESOURCES. THE FILMS LISTED ARE GROUPED ACCORDING TO THE FOLLOWING SUBJECT AREAS: (1) ANIMAL AND PLANT BREEDING, (2) ANIMAL HEALTH, (3) ANIMAL NUTRITION, (4) BASIC HORTICULTURE, (5) CROP PRODUCTION AND PLANT SCIENCE, (6) ENTOMOLOGY, (7) FARM BUSINESS MANAGEMENT, (8) HOME BEAUTIFICATION, (9) LEADERSHIP AND FUTURE FARMERS OF AMERICA, (10) LIVESTOCK PRODUCTION AND ANIMAL SCIENCE, (11) MECHANICS, (12) SAFETY, (13) OCCUPATIONS, (14) SOILS, AND (15) MISCELLANEOUS. THE LISTINGS GIVE THE TITLE OF EACH FILM, THE LENGTH, WHETHER BLACK AND WHITE OR COLOR, SOURCE CODE, A BRIEF DESCRIPTION, RATING, AND A COLUMN FOR RECORDING THE SHOWING DATE. THE LAST THREE PAGES OF THE BULLETIN CONTAIN THE AVAILABILITY SOURCES. SUGGESTIONS TO THE INSTRUCTOR AND A SAMPLE ORDER FORM ARE INCLUDED. (AW)

VT 009 078
CONSUMABLE SUPPLY LIST FOR FARM MECHANICS AND GENERAL SHOP.

NORTH DAKOTA STATE UNIV., FARGO. DEPT. OF AGRICULTURAL EDUCATION
THE NORTH DAKOTA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, DEPARTMENT OF AGRICULTURAL EDUCATION, FARGO, NORTH DAKOTA 58102 (SINGLE COPIES FREE TO TEACHER-EDUCATORS AND STATE SUPERVISORS OF AGRICULTURAL EDUCATION).
PUB DATE - NOV64 15P.

DESCRIPTORS - *RESOURCE MATERIALS; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; SCHOOL SHOPS; *PROGRAM BUDGETING; *SUPPLIES; PROGRAM PLANNING; EQUIPMENT STANDARDS

ABSTRACT - THIS BULLETIN IS DESIGNED TO AID INSTRUCTORS AND SCHOOL ADMINISTRATORS IN DETERMINING AND BUDGETING FOR SUPPLIES AND EQUIPMENT NEEDED FOR COURSES IN VOCATIONAL AGRICULTURE, FARM MECHANICS, AND GENERAL SHOP. GROUPED BY AREAS OF INSTRUCTION, SUPPLIES ARE LISTED FOR COURSES IN CARPENTRY, ELECTRICITY, CONCRETE CONSTRUCTION, MACHINERY REPAIR, PLUMBING, SOLDERING, AND TRACTOR AND FARM MOTORS. THE MIMEOGRAPHED LIST INCLUDES QUANTITIES, TYPES, AND COSTS OF ITEMS NEEDED. A RELATED DOCUMENT, "EQUIPPING THE FARM MECHANICS SHOP," IS AVAILABLE AS VT 009 079 (IN THIS ISSUE). (AW)

VT 009 079
SUGGESTIONS FOR EQUIPPING THE FARM MECHANICS SHOP.

NORTH DAKOTA STATE UNIV., FARGO. DEPT. OF AGRICULTURAL EDUCATION
THE NORTH DAKOTA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, DEPARTMENT OF AGRICULTURAL EDUCATION, FARGO, NORTH DAKOTA 58102 (SINGLE COPIES FREE TO TEACHER-EDUCATORS AND STATE SUPERVISORS OF AGRICULTURAL EDUCATION).
PUB DATE - NOV64 27P.

DESCRIPTORS - *RESOURCE MATERIALS; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; *SCHOOL SHOPS; *LABORATORY EQUIPMENT; PROGRAM BUDGETING; EQUIPMENT STANDARDS; PROGRAM PLANNING

ABSTRACT - PREPARED BY A STATE SUPERVISOR OF AGRICULTURAL EDUCATION IN COLLABORATION WITH MEMBERS OF THE AGRICULTURAL EDUCATION DEPARTMENT OF NORTH DAKOTA STATE UNIVERSITY, THIS BULLETIN IS DESIGNED TO AID TEACHERS AND ADMINISTRATORS IN DETERMINING EQUIPMENT NEEDS FOR FARM MECHANICS SHOPS. THE SUGGESTED EQUIPMENT LIST INCLUDES ITEMS GENERALLY USED IN FARM MECHANICS SHOPS AND SHOULD BE ADAPTED BY THE INDIVIDUAL DEPARTMENT TO FIT THE NEEDS OF THE LOCAL SCHOOL AND COMMUNITY. TOOLS AND SUPPLIES ARE GROUPED ACCORDING TO AREAS OF INSTRUCTIONS: CARPENTRY, CONCRETE, FARM DRAWING, FARM ELECTRICITY, FARM PLUMBING, MACHINERY REPAIR, SOLDERING, SOIL AND WATER ENGINEERING, AND TRACTORS AND FARM MOTORS. DESCRIPTIONS, INCLUDING BRAND NAMES, PROBABLE QUANTITIES NEEDED, AND COSTS OF THE RECOMMENDED ITEMS ARE GIVEN. THE MIMEOGRAPHED

LIST INCLUDES A SAMPLE BID NOTICE LETTER TO BE SENT TO PROSPECTIVE EQUIPMENT SUPPLIERS. RELATED DOCUMENTS ARE AVAILABLE AS VT 009 078 AND VT 009 071 (BOTH IN THIS ISSUE). (AW)

VT 009 080
BOOKS AND REFERENCE MATERIAL FOR USE IN NORTH DAKOTA VOCATIONAL AGRICULTURE DEPARTMENTS.

NORTH DAKOTA STATE UNIV., FARGO. DEPT. OF AGRICULTURAL EDUCATION
THE NORTH DAKOTA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, DEPARTMENT OF AGRICULTURAL EDUCATION, FARGO, NORTH DAKOTA 58102 (SINGLE COPIES FREE TO TEACHER-EDUCATORS AND STATE SUPERVISORS OF AGRICULTURAL EDUCATION).
PUB DATE - JAN68 23P.

DESCRIPTORS - *RESOURCE MATERIALS; *AGRICULTURAL EDUCATION; *BOOKLISTS; REFERENCE BOOKS; TEXTBOOKS; INSTRUCTIONAL MATERIALS; *VOCATIONAL AGRICULTURE

ABSTRACT - THIS MIMEOGRAPHED BULLETIN IS DESIGNED TO AID NORTH DAKOTA VOCATIONAL AGRICULTURE TEACHERS IN SELECTING REFERENCE MATERIALS AND BOOKS FOR CLASSROOM USE. LISTED ACCORDING TO SUBJECT FIELDS, MATERIALS RELATE TO: (1) AGRICULTURAL MECHANICS, (2) AGRICULTURAL OCCUPATIONS, (3) ANIMAL AND PLANT BREEDING (GENETICS), (4) ANIMAL SCIENCE, (5) ENTOMOLOGY, (6) FARM BUSINESS MANAGEMENT, (7) HORTICULTURE, (8) LEADERSHIP AND FUTURE FARMERS OF AMERICA, (9) CROP PRODUCTION AND PLANT SCIENCE, (10) PROFESSIIONAL IMPROVEMENT, AND (11) SOILS AND SOIL MANAGEMENT. TO AID IN SELECTION, THOSE MATERIALS RECOMMENDED PRIMARILY AS REFERENCE MATERIALS ARE DESIGNATED BY AN ASTERISK. THE LISTINGS INCLUDE REFERENCE TITLE AND RELATED INFORMATION, YEAR OF PUBLICATION, SOURCE CODE, AND PRICE. THE LAST TWO PAGES OF THE BULLETIN CONTAIN THE SOURCE LISTINGS. (AW)

VT 009 173
SEARS, STAN
SWINE CARCASS EVALUATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. ANIMAL HUSBANDRY DEPT.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($6.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 21P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *SWINE; *MEAT; EVALUATION; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *CARCASS EVALUATION

ABSTRACT - TEACHERS AND STUDENTS IN HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED SCRIPT AND COMPANION 60-FRAME FILMSTRIP IN VOCATIONAL AGRICULTURE CLASSES FOR A 50-MINUTE PERIOD. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT MATTER SPECIALISTS AND TEACHERS REVIEWED THE CONTENT PRIOR TO PUBLICATION. THE FIRST EIGHT FRAMES POINT OUT DESIRABLE AND UNDESIRABLE CHARACTERISTICS OF SWINE. FOUR 12-FRAME CLASSES OF MARKET HOGS ILLUSTRATE THE LIVE ANIMALS AND THE RIB, DORSEL, AND CHOP VIEWS OF THE CARCASSES. THE NARRATIVE PROVIDES SUGGESTED PLACINGS WITH COMMENTS ON EACH CLASS AND ILLUSTRATES THE POINTS TO EVALUATE IN SELECTING MEAT-TYPE MARKET HOGS. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPICS. (DM)

VT 009 177
WESTON, CURTIS R., AND OTHERS
RESOURCE MATERIAL FOR TEACHING AGRICULTURAL MECHANICS. AGRICULTURAL EDUCATION SERIES, VOLUME 1-NUMBER 2.

MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. AGRICULTURAL EDUCATION SECTION
TEACHING AIDS FUND, 122 WATERS HALL, UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI 65201 ($2.00).
PUB DATE - 68 102P.

DESCRIPTORS - *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *INSTRUCTIONAL MATERIALS; POST SECONDARY GRADES; SECONDARY GRADES; FILMS; FILMSTRIPS; SLIDES; TEXTBOOKS; BULLETINS; *BIBLIOGRAPHIES

ABSTRACT - COMPILED BY GRADUATE STUDENTS, THIS BULLETIN IS A SOURCE LISTING OF MATERIALS AVAILABLE FOR TEACHING AGRICULTURAL MECHANICS. IT IS DESIGNED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN ORDERING INSTRUCTIONAL MATERIALS FOR HIGH SCHOOL OR AREA JUNIOR COLLEGE AGRICULTURAL MECHANICS COURSES. GROUPED ACCORDING TO SUBJECT MATTER, THE LISTINGS INCLUDE THE TITLE OF THE ITEM, BRIEF DESCRIPTIVE INFORMATION, TYPE OR ORDER NUMBER IF APPLICABLE, CATEGORY (E.G. TEXTBOOKS, FILMSTRIPS), SOURCE CODE, AND COST. AVAILABILITY SOURCES ARE LISTED BOTH ALPHABETICALLY AND NUMERICALLY. SUBJECT AREAS ILLUSTRATED ARE: (1) BUILDING AND STRUCTURES, (2) CONCRETE AND MASONRY, (3) ELECTRICITY, (4) IRRIGATION AND FARM WATER EQUIPMENT, (5) MATERIALS HANDLING, (6) METAL WORK, (7) POWER AND MACHINERY, (8) LUBRICATION, OIL, AND FUEL, (9) SAFETY, (10) SHOP PROJECTS, (11) WOODWORK, AND (12) PROFESSIONAL AND GENERAL MATERIAL. (AW)

VT 009 195
CURRICULUM GUIDE FOR ORNAMENTAL HORTICULTURE.

OREGON STATE BOARD OF EDUCATION, SALEM
OREGON BOARD OF EDUCATION, 942 LANCASTER DRIVE, N.E., SALEM, OREGON 97301 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - JUN69 47P.

DESCRIPTORS - *CURRICULUM GUIDES; *PROGRAM GUIDES; *AGRICULTURAL EDUCATION; POST SECONDARY GRADES; *ORNAMENTAL HORTICULTURE OCCUPATION; SECONDARY GRADES; INSTRUCTIONAL MATERIALS; BIBLIOGRAPHIES; FACILITIES; *ORNAMENTAL HORTICULTURE

ABSTRACT - THE PURPOSE OF THIS CURRICULUM GUIDE IS TO ASSIST SCHOOL ADMINISTRATORS, VOCATIONAL DIRECTORS, AND INSTRUCTORS IN ESTABLISHING AND CONDUCTING ARTICULATED PROGRAMS IN ORNAMENTAL HORTICULTURE BETWEEN THE HIGH SCHOOL AND THE COMMUNITY COLLEGE. DEVELOPED BY A STATE COORDINATOR OF AGRICULTURE EDUCATION IN COOPERATION WITH HORTICULTURAL INDUSTRY REPRESENTATIVES AND HORTICULTURE TEACHERS, THE GUIDE COVERS: (1) OCCUPATIONAL OPPORTUNITIES IN ORNAMENTAL HORTICULTURE, (2) DEVELOPMENT AND USE OF THE GUIDE, (3) PROPOSED COURSE OF STUDY FOR HORTICULTURAL OCCUPATIONS, (4) SUGGESTED FACILITIES FOR HORTICULTURAL PROGRAMS, (5) SUGGESTED EQUIPMENT AND SUPPLIES, AND (6) INSTRUCTIONAL MATERIALS AND REFERENCES. UNIT II GIVES PURPOSES, OCCUPATIONAL OBJECTIVES, AND A TOPICAL OUTLINE LISTING COMPETENCIES TO BE DEVELOPED IN BOTH A BEGINNING AND AN ADVANCED PHASE OF STUDY. SUGGESTED COURSE OUTLINES ARE PROVIDED FOR THE SECOND YEAR COMMUNITY COLLEGE SPECIALTY HORTICULTURE OPTIONS OF LANDSCAPE DESIGN, TURF MANAGEMENT, GREENHOUSE MANAGEMENT, AND NURSERY MANAGEMENT. SECTIONS ON PLANTS TO BE IDENTIFIED, SELECTED HORTICULTURAL OCCUPATIONS AND TASKS, DUTIES REQUIRED IN TYPICAL HORTICULTURAL OCCUPATIONS, AND A SUMMARY OF TASKS PERFORMED IN HORTICULTURAL OCCUPATIONS ARE APPENDED. THE INSTRUCTOR SHOULD BE A SUBJECT MATTER SPECIALIST, AND STUDENTS SHOULD HAVE AN OCCUPATIONAL GOAL OF ORNAMENTAL HORTICULTURE. (AW)

VT 009 252
TRAINING PLAN OUTLINES FOR MANPOWER DEVELOPMENT AND TRAINING ACT COURSES FOR FARMERS, DAIRY FARMERS, TRUCK FARMERS, AND TOBACCO FARMERS.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
DIV. OF MANPOWER DEVELOPMENT AND TRAINING
PUB DATE - 65 35P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *FARM OCCUPATIONS; *FARMERS; *ADULT FARMER EDUCATION; COURSE CONTENT; COURSE ORGANIZATION; PROGRAM COSTS; FEDERAL PROGRAMS
IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS

ABSTRACT - EXAMPLES OF TRAINING PLAN OUTLINES FOR ENTRY LEVEL AND REFRESHER MANPOWER DEVELOPMENT AND TRAINING ACT (MDTA) COURSES DESIGNED TO PREPARE TRAINEES FOR EMPLOYMENT AS FARMERS, DAIRY FARMERS, TRUCK FARMERS, AND TOBACCO FARMERS ARE GIVEN. PREPARED BY TRAINING AGENCIES UNDER PROVISIONS OF THE MDTA, THESE OUTLINES PRESENT BRIEF DESCRIPTIVE INFORMATION AND A TOPICAL OUTLINE OF EACH COURSE, INCLUDING: (1) MAJOR UNITS, (2) CLOCK HOURS, (3) SPECIFIC JOB SKILLS TO BE DEVELOPED, (4) INSTRUCTIONAL MATERIALS, TEACHING AIDS, AND NEW EQUIPMENT, AND (5) EVALUATION OF PROGRESS AND ACHIEVEMENT. SOME OUTLINES ALSO INCLUDE PROPOSED COURSE BUDGETS. THE EXAMPLES OF TRAINING PLAN OUTLINES ILLUSTRATE COURSES RANGING IN LENGTH FROM 260 TO 2,040 CLOCK HOURS. (AW)

VT 009 272
TRAINING PLAN OUTLINES FOR MANPOWER DEVELOPMENT AND TRAINING ACT COURSES FOR LANDSCAPE GARDENERS, NURSERYMEN II, GROUNDSKEEPERS, FLORAL DESIGNERS, GREENHOUSE FLORISTS, ARBORISTS, AND FORESTRY AIDES.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
DIV. OF MANPOWER DEVELOPMENT AND TRAINING
PUB DATE - 65 73P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *NURSERY WORKERS (HORTICULTURE); *GROUNDS KEEPERS; *ORNAMENTAL HORTICULTURE OCCUPATION; FORESTRY AIDES; FLORIST WORKERS; COURSE CONTENT; COURSE ORGANIZATION; PROGRAM COSTS; FEDERAL PROGRAMS; ADULT VOCATIONAL EDUCATION; ORNAMENTAL HORTICULTURE
IDENTIFIERS - *MANPOWER DEVELOPMENT AND TRAINING ACT PROGRAMS; MDTA PROGRAMS

ABSTRACT - EXAMPLES OF TRAINING PLAN OUTLINES FOR ENTRY LEVEL AND REFRESHER MANPOWER DEVELOPMENT AND TRAINING ACT (MDTA) COURSES DESIGNED TO PREPARE TRAINEES FOR EMPLOYMENT AS LANDSCAPE GARDENERS, NURSERYMEN, GROUNDSKEEPERS, FLORAL DESIGNERS, GREENHOUSE FLORISTS, ARBORISTS, AND FORESTRY AIDES ARE GIVEN. PREPARED BY TRAINING AGENCIES UNDER PROVISIONS OF THE MDTA, BRIEF DESCRIPTIVE INFORMATION AND A TOPICAL OUTLINE OF EACH COURSE INCLUDE: (1) MAJOR UNITS, (2) CLOCK HOURS, (3) SPECIFIC JOB SKILLS TO BE DEVELOPED, (4) INSTRUCTIONAL MATERIALS, TEACHING AIDS, AND NEW EQUIPMENT, AND (5) EVALUATION OF PROGRESS AND ACHIEVEMENT. SOME OUTLINES ALSO INCLUDE PROPOSED COURSE BUDGETS. THE TRAINING PLAN OUTLINES ILLUSTRATE COURSES RANGING IN LENGTH FROM 240 TO 2,600 CLOCK HOURS. (AW)

VT 009 282
GROUNDS CARE: CUSTODIAL TRAINING COURSE.

FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE
SCHOOL PLANT MANAGEMENT SECTION, STATE DEPARTMENT OF EDUCATION, TALLAHASSEE, FLORIDA.
PUB DATE - ND 128P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *CUSTODIAN TRAINING; *GROUNDS KEEPERS; *ORNAMENTAL HORTICULTURE; ADULT VOCATIONAL EDUCATION; SITE DEVELOPMENT; SCHOOL MAINTENANCE; INSERVICE EDUCATION; RETRAINING
IDENTIFIERS - FLORIDA

ABSTRACT - DESIGNED AS PART OF AN OCCUPATIONAL CLUSTER FOR CUSTODIAL TRAINING IN THE SOUTHEASTERN UNITED STATES, THIS CURRICULUM GUIDE IS FOR USE IN PLANNING TRAINING OR RETRAINING COURSES IN GROUNDS CARE. IT WAS PREPARED BY THE FLORIDA STATE COORDINATOR OF CUSTODIAL AND MAINTENANCE TRAINING WITH THE ASSISTANCE OF AN ADMINISTRATOR OF SCHOOL PLANT MANAGEMENT TO PROVIDE A COMPREHENSIVE REFERENCE FOR CUSTODIANS, SCHOOL ADMINISTRATORS, AND OPERATIONS PERSONNEL RESPONSIBLE FOR THE APPEARANCE OF SCHOOL SITES. UNIT TOPICS ARE: (1) LAWNS, WHICH DEALS WITH TYPES OF GRASSES, SOIL PREPARATION AND PLANTING, AND GENERAL

CARE, (2) RECREATIONAL AREAS, INCLUDING STANDARDS FOR ACCREDITATION, (3) SHRUBBERY, COVERING SELECTION, CARE, AND TYPES, (4) TREES, INCLUDING CARE OF TREE WOUNDS, (5) EQUIPMENT, WHICH GIVES DETAILED INFORMATION ON USE AND NEED FOR VARIOUS HAND AND POWER TOOLS, AND (6) PEST CONTROL, INCLUDING CLASSIFICATION OF PESTS AND INFORMATION ON VARIOUS TYPES OF PESTICIDES. THE MANUAL IS ILLUSTRATED WITH NUMEROUS DRAWINGS, TABLES AND DIAGRAMS; A MAP DESIGNATING FLORIDA SOIL TYPES IS ALSO INCLUDED. THE PROPOSED PROGRAM SHOULD BE TAUGHT BY A SUBJECT MATTER SPECIALIST. (AW)

VT 009 287
BECKET, JAMES W.
SUPERVISION IN AGRICULTURE: A UNIT OF INSTRUCTION.

CALIFORNIA UNIV., DAVIS. DEPT. OF APPLIED BEHAVIORAL SCIENCES
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. BUREAU OF AGRICULTURAL EDUCATION
DEPARTMENT OF APPLIED BEHAVIORAL SCIENCES, UNIVERSITY OF CALIFORNIA AT DAVIS, DAVIS, CALIFORNIA 95616 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - 68 73P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; CURRICULUM GUIDES; *SUPERVISORY TRAINING; *SUPERVISORS; *FARM MANAGEMENT; SUPERVISOR QUALIFICATIONS; CREW LEADERS; FARM LABOR; COMMUNITY COLLEGES; VOCATIONAL HIGH SCHOOLS; UNITS OF STUDY (SUBJECT FIELDS); EDUCATIONAL GAMES; CASE STUDIES
IDENTIFIERS - CALIFORNIA

ABSTRACT - PREPARED BY A SUBJECT MATTER SPECIALIST WITH ASSISTANCE FROM A TEACHER COMMITTEE AND FIELD TESTED IN 10 SCHOOLS PRIOR TO REVISION AND PUBLICATION, THIS INSTRUCTIONAL UNIT IS FOR TEACHER USE IN PLANNING AND CONDUCTING COURSES IN AGRICULTURAL SUPERVISION AND LABOR MANAGEMENT ON THE COMMUNITY COLLEGE OR ADVANCED VOCATIONAL HIGH SCHOOL LEVEL. THE CONTENT IS COMPRISED OF 11 SUB-UNITS: (1) INTRODUCTION, (2) BASIC NEEDS OF HUMANS, (3) MEETING NEEDS OF HUMANS ON THE JOB, (4) COMMUNICATIONS, (5) PROBLEM SOLVING, (6) WORKER SELECTION, (7) INSTRUCTING WORKERS, (8) WORKER EFFICIENCY AND LOSS OF TIME, (9) WORKING CONDITIONS, (10) EMPLOYER-EMPLOYEE RESPONSIBILITIES, AND (11) LABOR RULES AND REGULATIONS. THE SUB-UNITS ARE SET UP IN OUTLINE FORM AND MOST INCLUDE OBJECTIVES, SUGGESTED PROCEDURES TO BE FOLLOWED BY THE TEACHER, CONTENT, AND CONCEPTS TO BE DEVELOPED. THE APPENDIX PROVIDES HISTORICAL INFORMATION ON CALIFORNIA FARM LABOR, A SAMPLE JOB BREAKDOWN SHEET, CASE STUDIES, A GAME ILLUSTRATING COMMUNICATION PROBLEMS, AND AN ANECDOTE EMPHASIZING THE NEED FOR MOTIVATION. SUGGESTED REFERENCES ARE ALSO LISTED. THE INSTRUCTOR OF THE 20-HOUR COURSE NEEDS SUPERVISORY EXPERIENCE AND STUDENTS SHOULD BE MANAGEMENT OR SUPERVISORY TRAINEES. (AW)

VT 009 293
MORGAN, WILLIAM P., JR.
A MANUAL ON NURSERY PRACTICES. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.00).
PUB DATE - ND 77P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *NURSERIES (HORTICULTURE); *NURSERY WORKERS (HORTICULTURE); *SUPPLEMENTARY TEXTBOOKS; *ORNAMENTAL HORTICULTURE; SECONDARY GRADES; POST SECONDARY GRADES; AGRICULTURAL PRODUCTION; PLANT PROPAGATION; SANITATION

ABSTRACT - A GREAT LANDSCAPING DEMAND FOR PLANTS AND TREES AND SHRUBS HAS PUT NEW EMPHASIS ON THE NEED FOR MEN AND WOMEN TRAINED IN THE NURSERY BUSINESS. THIS NURSERY PRODUCTION GUIDE WAS DESIGNED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE BY BOTH TEACHERS AND STUDENTS. THE CONTENT WAS REVIEWED BY TEACHERS AND SUBJECT MATTER SPECIALISTS. PART I DISCUSSES THE PROPAGATION OF SEEDS IN FLATS, POTS, AND BANDS. THE SECOND SECTION COVERS VEGETATIVE PROPAGATION UNDER HEADINGS OF: (1) STEM CUTTINGS, (2) ROOT CUTTINGS, (3) LAYERING, (4) DIVISION, (5) SEPARATION, (6) GETTING THE CUTTING TO ROOT, (7) PLANTING THE CUTTING, (8) TRANSPLANTING ROOTED CUTTINGS INTO CONTAINERS, AND (9) TRANSPLANTING INTO GALLON CANS. THE IMPORTANCE OF NURSERY SANITATION, CLEAN PROPAGATING MATERIAL, AND SOIL STERILIZATION, ARE DISCUSSED IN PART III. APPENDED ARE 15 TABLES OF PROPAGATION INFORMATION DATA, A LIST OF PLANT HORMONE PREPARATIONS, SOIL MIXTURES, AND LIST OF REFERENCE BOOKS. LINE DRAWINGS ILLUSTRATE THE TEXT. (DM)

VT 009 294
GRAY, STANTON; ANDREWS, DALE
JUDGING DECIDUOUS FRUIT TREES; MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.35).
PUB DATE - ND 20P.

DESCRIPTORS - *HORTICULTURE; *EVALUATION; *VOCATIONAL AGRICULTURE; *TREES; *SUPPLEMENTARY TEXTBOOKS; TEACHING GUIDES; SECONDARY GRADES; BIBLIOGRAPHIES; INSTRUCTIONAL MATERIALS; POST SECONDARY GRADES
IDENTIFIERS - *DECIDUOUS FRUIT TREE JUDGING

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL OR JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE, THIS MANUAL DISCUSSES DECIDUOUS FRUIT TREE JUDGING AS A METHOD OF PROVIDING STUDENTS WITH AN OPPORTUNITY TO APPLY THEIR KNOWLEDGE OF CORRECT OR INCORRECT SCAFFOLD ARRANGEMENT OF LIMBS, PROPER AMOUNT OF SHOOT GROWTH, PREVALENCE OF FRUIT BUDS, THE DETECTION OF DISEASES OR INSECTS AND OTHER

FACTORS IMPORTANT IN EVALUATING TREES FOR HEAVY PRODUCTION OF HIGH QUALITY FRUIT. THE CONTENT INCLUDES: (1) INTRODUCTORY IDEAS FOR STUDENTS OF TREE JUDGING, (2) EQUIPMENT AND MATERIALS FOR TEACHING AND LEARNING TREE JUDGING, (3) SUGGESTED TEACHING-LEARNING ACTIVITIES, (4) TREE JUDGING PROCEDURES, (5) TREE JUDGING SCORE CARDS, (6) GUIDE FOR TREE EXAMINATION, (7) CONDUCT STATE FFA TREE JUDGING CONTEST, (8) TREE PARTS, (9) TREE SCAFFOLDS, AND (10) KEY TREE JUDGING POINTS ILLUSTRATED. SUPPLEMENTARY MATERIAL INCLUDES A GLOSSARY, A LIST OF REFERENCE BOOKS, AND LINE DRAWINGS WHICH ILLUSTRATE THE TEXT. (DM)

VT 009 296
INSECTS IDENTIFICATION MANUAL; INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.50).
PUB DATE - 66 127P.

DESCRIPTORS *SUPPLEMENTARY TEXTBOOKS; *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *ENTOMOLOGY; *TAXONOMY; SECONDARY GRADES; POST SECONDARY GRADES; AUDIOVISUAL AIDS; ILLUSTRATIONS

ABSTRACT - DEVELOPED BY HIGH SCHOOL AND COLLEGE TEACHERS AND REVIEWED BY SUBJECT MATTER SPECIALISTS PRIOR TO REVISION AND PUBLICATION, THIS HANDBOOK IS FOR BOTH TEACHER AND STUDENT USE IN HIGH SCHOOL OR JUNIOR COLLEGE VOCATIONAL AGRICULTURE CLASSES. IT IS DESIGNED TO AID STUDENTS IN THE IDENTIFICATION OF COMMON AGRICULTURAL INSECTS. THE SUBJECT MATTER IS GEOGRAPHICALLY ADAPTABLE TO THE ENTIRE UNITED STATES, AND PARTICULARLY APPLICABLE TO THE WESTERN SECTION. PART I, A GENERAL SECTION, GIVES SUGGESTED LEARNING ACTIVITIES, BRIEF INFORMATION ON INSECT CONTROL AND SAFETY PRECAUTIONS, SAMPLE STUDY SHEETS, REFERENCE AND SOURCE MATERIALS, A GLOSSARY OF TERMS, AND SEVERAL CHARTS AND DIAGRAMS ILLUSTRATING SEASONAL HISTORIES AND BODY PARTS OF VARIOUS INSECTS. PART II, IDENTIFICATION SERIES, PRESENTS INFORMATION ON 48 DIFFERENT INSECTS, INCLUDING DRAWINGS AND DESCRIPTIONS, LIFE HISTORY, TYPES OF DAMAGE DONE BY EACH, HOSTS, AND REFERENCES AND ADDITIONAL INFORMATION SOURCES. THE ILLUSTRATIONS ARE SUITABLE FOR REPRODUCTION AS TRANSPARENCIES OR AS OTHER INSTRUCTIONAL MATERIALS. THE RECOMMENDED TIME ALLOTMENT FOR VIEWING AND DISCUSSION OF THE MATERIAL IS ONE OR TWO CLASS PERIODS. (AW)

VT 009 297
BERMAN, JAMES
SMALL GASOLINE ENGINES, (ORNAMENTAL HORTICULTURE). A LABORATORY GUIDE FOR TEACHERS.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.80).
PUB DATE - 68 29P.

DESCRIPTORS - ACHIEVEMENT TESTS; ANSWER KEYS; *LABORATORY MANUALS; SUPPLEMENTARY TEXTBOOKS; *AGRICULTURAL ENGINEERING; *ORNAMENTAL HORTICULTURE OCCUPATION; *VOCATIONAL AGRICULTURE; AUTO MECHANICS; *EQUIPMENT MAINTENANCE; POST SECONDARY GRADES; AGRICULTURAL MACHINERY; SECONDARY GRADES
IDENTIFIERS - *SMALL GASOLINE ENGINES

ABSTRACT - THIS TEACHING GUIDE CONSISTS OF A SERIES OF LABORATORY EXERCISES DESIGNED TO ACQUAINT THE HIGH SCHOOL OR JUNIOR COLLEGE VOCATIONAL AGRICULTURE STUDENTS WITH THE CARE, MAINTENANCE, AND REPAIR OF SMALL GASOLINE ENGINES AND POWER EQUIPMENT USED IN ORNAMENTAL HORTICULTURE. DEVELOPED BY HIGH SCHOOL AND COLLEGE TEACHERS AND REVIEWED BY SUBJECT MATTER SPECIALISTS PRIOR TO PUBLICATION, THE MANUAL IS INTENDED TO SUPPLEMENT STANDARD TEXTBOOKS. THE SUBJECT MATTER IS GEOGRAPHICALLY ADAPTABLE TO THE ENTIRE UNITED STATES, BUT IS PARTICULARLY APPLICABLE TO THE WESTERN SEGMENT. THE 10 LABORATORY EXERCISES, TOTALING 20 HOURS, COVER: (1) INTERNAL COMBUSTION ENGINE PRINCIPLES, (2) VALVES, TIMING, AND TAPPET CLEARANCE, (3) IGNITION PRINCIPLES, (4) CARBURETION, (5) MAINTENANCE AND LUBRICATION, (6) DISASSEMBLY PROCEDURES, (7) POWER TRANSMISSION COMPONENTS, (8) STARTERS, (9) SHARPENING, AND (10) TROUBLE SHOOTING. EACH EXERCISE INCLUDES MATERIALS AND TOOLS NEEDED, TEACHING AIDS REQUIRED OR SUGGESTED, STUDENT REQUIREMENTS, PROCEDURES, AND QUIZZES WITH ANSWERS. SELECTED REFERENCES, DETAILED TOOL LISTS, AND VARIOUS DIAGRAMS AND CHARTS ARE APPENDED. (AW)

VT 009 298
CARTER, L.S.; LEIGHTY, R.V.
SOILS MANUAL FOR LAND JUDGING. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.00).
PUB DATE - ND 63P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; CONSERVATION EDUCATION; *LAND USE; *SOIL CONSERVATION; *SOIL SCIENCE; AGRONOMY; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *LAND JUDGING

ABSTRACT - DEVELOPED BY HIGH SCHOOL AND COLLEGE TEACHERS AND REVIEWED BY SUBJECT MATTER SPECIALISTS, THIS MANUAL IS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE VOCATIONAL AGRICULTURE CLASSES. ITS PURPOSE IS TO ACQUAINT STUDENTS WITH THE BASIC PRINCIPLES OF JUDGING LAND, OF COMMUNICATING LAND VALUE TO OTHERS, AND OF SELECTING THE MANAGEMENT PRACTICES BEST SUITED TO KEEP THE LAND PRODUCTIVE. THE CONTENT CONTAINS SECTIONS ON (1) SITE SELECTION FOR LAND JUDGING, (2) SURFACE AND SUBSURFACE SOILS, (3) INTERPRETING SOIL FEATURES, (4) EROSION PROBLEMS, (5) TOPOGRAPHY, (6) CLASSIFICATION OF LAND CAPABILITY, (7) APPROPRIATE USES OF LAND, (8) PROBLEMS IN LAND USE, (9) CROPLAND, RANGELAND, AND WOODLAND MANAGEMENT, AND (10) RECLAMATION. THE FINAL TWO CHAPTERS DEAL WITH LAND JUDGING CONTESTS AND INCLUDE A SAMPLE LAND JUDGING SCORECARD. DIAGRAMS, PHOTOGRAPHS, TABLES, AND DRAWINGS ILLUSTRATE THE MANUAL. GEOGRAPHICALLY THE MATERIAL IS ADAPTABLE TO THE ENTIRE UNITED STATES, WITH PARTICULAR INTEREST TO THE WESTERN SEGMENT. ONE OR TWO CLASS PERIODS IS THE RECOMMENDED TIME ALLOTMENT FOR COVERING THE SUBJECT. (AW)

VT 009 299
DUARTE, ARTHUR C.; MORRIS, HAROLD D.
DUMORE FARM RECORDS PROBLEM.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. FARM MANAGEMENT DEPT.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.50).
PUB DATE - 68 57P.

DESCRIPTORS - *UNIT PLAN; SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *RECORDKEEPING; *FARM MANAGEMENT; *FARM ACCOUNTS; RECORDS (FORMS); PROBLEM SETS; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS FARM RECORDS PROBLEM IS DESIGNED TO BE USED AS A TEACHING UNIT BY VOCATIONAL AGRICULTURE INSTRUCTORS IN HIGH SCHOOLS OR JUNIOR COLLEGES. THE PURPOSE OF THE UNIT IS TO PRESENT A SIMPLIFIED BUT ADEQUATE SYSTEM OF KEEPING FARM RECORDS TO STUDENTS WHO WILL BE INVOLVED IN THE BUSINESS OF FARMING WHETHER OR NOT THEY PURSUE ADVANCED AGRICULTURAL TRAINING. BASED ON A TYPICAL FARM, THE PROBLEM WAS PREPARED BY HIGH SCHOOL AND COLLEGE TEACHERS AND REVIEWED BY SUBJECT MATTER SPECIALISTS TO SUPPLEMENT STANDARD VOCATIONAL AGRICULTURE TEXTBOOKS. THE PROBLEM IS DIVIDED INTO FOUR SECTIONS: (1) INVENTORIES, DEALING WITH THE SETTING UP OF BASIC INVENTORY RECORDS AND EXTRACTION OF A BEGINNING-OF-THE-YEAR BALANCE SHEET, (2) JOURNALIZING, CONCERNED WITH THE RECORD OF DAILY TRANSACTIONS AS WELL AS MONTHLY SUMMARY FORMS AND BANK STATEMENTS, (3) DEPRECIATION, COVERING ENTRY OF NEW PURCHASES INTO PROPERTY BOOK AND CALCULATION OF THEIR DEPRECIATION, AND (4) YEAR-END RECORDS, WHICH CONSISTS OF POSTING YEAR-END INVENTORIES AND EXTRACTING PROFIT AND LOSS STATEMENT AND BALANCE SHEET. SAMPLE RECORD SHEETS TO BE KEPT FOR EACH STAGE OF THE PROBLEM COMPRISE THE LAST SEGMENT OF THE MANUAL. (AW)

VT 009 300
THRASHER, FRANK P., AND OTHERS
EXERCISES FOR BIOLOGICAL PRINCIPLES IN AGRICULTURAL CROPS.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.50).
PUB DATE - 66 75P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; *LABORATORY EXPERIMENTS; PLANT PROPAGATION; PLANT GROWTH; AGRONOMY; *INSTRUCTIONAL MATERIALS; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - PREPARED BY HIGH SCHOOL AND COLLEGE TEACHERS, THIS MANUAL IS DESIGNED PRIMARILY TO AID HIGH SCHOOL OR JUNIOR COLLEGE AGRICULTURAL AND BIOLOGICAL SCIENCE TEACHERS IN INTRODUCING VOCATIONAL AGRICULTURE STUDENTS TO THE PRINCIPLES OF PLANT SCIENCE. THE 24 EXERCISES PROVIDED ARE ORGANIZED INTO UNITS ILLUSTRATING ONE OR MORE BASIC PRINCIPLES. UNIT TOPICS ARE: (1) PLANT ECOLOGY, WITH FOUR EXERCISES, (2) PHOTOSYNTHESIS, WITH FOUR EXERCISES, (3) RESPIRATION, WITH ONE EXERCISE, (4) TRANSPIRATION, WITH TWO EXERCISES, (5) OSMOSIS AND DIFFUSION, WITH TWO EXERCISES, (6) GROWTH, WITH TWO EXERCISES, (7) GROWTH REGULATION IN PLANTS, WITH THREE EXERCISES, (8) ASEXUAL REPRODUCTION, WITH THREE EXERCISES, (9) SEXUAL REPRODUCTION IN PLANTS: SEEDS AND PLANT BREEDING, WITH TWO EXERCISES, AND (10) GENETICS, WITH ONE EXERCISE. EACH UNIT GIVES BRIEF INTRODUCTORY MATERIAL, FOLLOWED BY THE EXERCISES, WHICH INCLUDE MATERIALS NEEDED, PROCEDURES, AND STUDY QUESTIONS. A SAMPLE STUDENT WORKSHEET FOR USE IN CARRYING OUT THE EXERCISES AND A BIBLIOGRAPHY ARE INCLUDED, AND THE MANUAL IS ILLUSTRATED WITH DRAWINGS AND DIAGRAMS SUITABLE FOR REPRODUCTION AS TRANSPARENCIES OR OTHER INSTRUCTIONAL MATERIALS. THE MATERIAL IS GEOGRAPHICALLY ADAPTABLE TO THE ENTIRE UNITED STATES, AND OF PARTICULAR INTEREST TO THE WESTERN PART. INDIVIDUAL TEACHERS SHOULD SELECT OR MODIFY EXERCISES TO FIT LOCAL NEEDS. (AW)

VT 009 301
TOOL IDENTIFICATION MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.00).
PUB DATE - ND 54P.

DESCRIPTORS - MANUALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *EQUIPMENT; *HAND TOOLS; *INSTRUCTIONAL MATERIALS; MECHANICAL EQUIPMENT; VOCABULARY; AUDIOVISUAL AIDS; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - DEVELOPED BY AN INDIVIDUAL IN COOPERATION WITH COLLEGE DEPARTMENTS OF AGRICULTURAL ENGINEERING, EDUCATION, AND AUDIOVISUAL MATERIALS, THIS MANUAL IS FOR USE BY HIGH SCHOOL AND JUNIOR COLLEGE VOCATIONAL AGRICULTURE INSTRUCTORS AS AN AID IN TEACHING NOMENCLATURE AND USES OF TOOLS AND MATERIALS ASSOCIATED WITH AGRICULTURAL MECHANICS. THE MANUAL INCLUDES 331 TOOLS AND PIECES OF EQUIPMENT, ARRANGED ALPHABETICALLY BY ITEM

NAME. THE FIRST SECTION OF THE MANUAL PROVIDES DEFINITIONS AND USES OF THESE ITEMS, AND THE SECOND, VISUAL REPRODUCTIONS OF THE TOOLS, ARRANGED AND NUMBERED IN THE SAME ORDER AS THE DEFINITIONS. THE NOMENCLATURE USED IS IN AGREEMENT WITH THE 1959 CURRICULAR ACTIVITIES CODE PUBLISHED BY THE CALIFORNIA AGRICULTURE TEACHERS ASSOCIATION WHICH IS RECOGNIZED AS THE OFFICIAL AUTHORITY FOR TOOLS AND MATERIALS IDENTIFICATION IN THE STATE CHAMPIONSHIP FUTURE FARMERS OF AMERICA JUDGING CONTEST IN AGRICULTURAL MECHANICS. (AW)

VT 009 302
CHIZEK, GAYLORD J.; ROGALLA, JOHN A.
SHADY LANE FARM MANAGEMENT AND RECORDS PROBLEM.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. FARM MANAGEMENT DEPT.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.50).
PUB DATE - ND 54P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; RECORDKEEPING; *FARM MANAGEMENT; *FARM ACCOUNTS; *BUDGETING; RECORDS (FORMS); SECONDARY GRADES; POST SECONDARY GRADES; *RESOURCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY HIGH SCHOOL AND COLLEGE TEACHERS, THIS FARM RECORDS MANUAL IS DESIGNED FOR USE BY VOCATIONAL AGRICULTURE STUDENTS ON THE HIGH SCHOOL OR JUNIOR COLLEGE LEVEL. THE RECORD PROBLEM COMPRISING THE FIRST PART OF THE MANUAL IS DESIGNED AS AN EXERCISE FOR A BEGINNING COURSE IN FARM MANAGEMENT, WHILE THE BUDGET PROBLEM WHICH MAKES UP THE SECOND PART OF THE MANUAL IS INTENDED TO AID THE STUDENT IN ESTIMATING FINANCIAL OUTCOMES OF FUTURE PLANS OR REORGANIZED FARM OPERATIONS. PART ONE INCLUDES BRIEF EXPLANATORY INFORMATION ON THE PROBLEM, AND INSTRUCTIONS ON SETTING UP THE BOOKS, JOURNALIZING, KEEPING TRANSACTION RECORDS, CLOSING THE BOOKS AND PREPARING INCOME TAX FORMS, AND ANALYZING THE RECORDS. VARIOUS SAMPLE FARM RECORDS AND FORMS ARE INCLUDED IN THIS SECTION. THE BUDGETING SECTION INCLUDES A GENERAL OUTLINE OF THE BUDGETING PROCESS, FOLLOWED BY AN APPLICATION OF THE OUTLINE TO THE SPECIFIC BUDGET PROBLEM POSED BY THE SAMPLE "J RANCH." THIS SECTION IS ILLUSTRATED WITH VARIOUS MAPS AND DRAWINGS PERTAINING TO THE "J RANCH." THE RECORD PORTION SHOULD TAKE THE STUDENT ABOUT 20 HOURS AND THE BUDGET PORTION ABOUT 4 HOURS FOR COMPLETION. (AW)

VT 009 303
CARTER, LOGAN S.
EXPERIMENTS IN SOIL SCIENCE. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.00).
PUB DATE - 66 252P.

DESCRIPTORS - *LABORATORY MANUALS; *LABORATORY EXPERIMENTS; *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; *AGRONOMY; POST SECONDARY GRADES; SECONDARY GRADES

ABSTRACT - DEVELOPED BY HIGH SCHOOL AND COLLEGE TEACHERS, THIS SERIES OF SOIL SCIENCE LABORATORY EXERCISES IS DESIGNED TO AID HIGH SCHOOL OR JUNIOR COLLEGE VOCATIONAL AGRICULTURE STUDENTS IN UNDERSTANDING THE BASIC PRINCIPLES OF PHYSICAL AND BIOLOGICAL SCIENCES AS THEY RELATE TO AGRICULTURE. CONTENTS INCLUDE 57 EXPERIMENTS UNDER THE FOLLOWING TOPIC HEADINGS: (1) MINERALS AND ROCKS IMPORTANT IN SOIL FORMATION, (2) FORMATION OF SOILS, (3) SOIL TEXTURE, (4) SOIL PROPERTIES RELATED TO TEXTURE, (5) HOW TO MAKE A MINIATURE SOIL PROFILE, (6) ARE SOILS ALIKE? (7) FIELD STUDY OF LOCAL SOILS, (8) DETERMINING SLOPE OF LAND, (9) SOIL MOISTURE, (10) SOIL TESTING, (11) COMMERCIAL FERTILIZERS, (12) SOIL COLLOIDS, (13) SOIL ORGANIC MATTER, (14) SOIL ORGANISMS, (15) SOIL CORRECTION, (16) SOIL STRUCTURE, (17) LAND JUDGING, AND (18) MAPS AND REPORTS. MOST EXERCISES INCLUDE MATERIALS NEEDED, PROCEDURES, APPLICATIONS, AND SELECTED REFERENCES, AND MANY ARE ILLUSTRATED WITH GRAPHS, CHARTS, TABLES, DRAWINGS, AND PHOTOGRAPHS SUITABLE FOR REPRODUCTION AS TRANSPARENCIES OR OTHER INSTRUCTIONAL MATERIALS. A GLOSSARY AND TABLES OF WEIGHTS AND MEASURES ARE ALSO INCLUDED. (AW)

VT 009 307
JOHNSON, HAROLD C.
THE BROOD SOW AND LITTER.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF ANIMAL HUSBANDRY
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($5.00 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - 66 18P.

DESCRIPTORS - *SWINE; *AGRICULTURAL PRODUCTION; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; SECONDARY GRADES; POST SECONDARY GRADES; LIVESTOCK

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 49 FRAMES AND ITS COMPANION MANUAL ILLUSTRATE AND EXPLAIN MANAGEMENT PROCEDURES FOR THE BROOD SOW AND LITTER: FARROWING FACILITIES, PREPARATION FOR FARROWING, FARROWING AND IMMEDIATE OPERATIONS, AND ADDITIONAL OPERATIONS. IN ADDITION TO A DESCRIPTION OF EACH SLIDE FRAME, THE MANUAL PRESENTS AN EAR-NOTCHING SYSTEM TO IDENTIFY LITTERS AND THE PIGS IN EACH LITTER. THE FILMSTRIP WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS AND IS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. STUDENTS SHOULD BE OF

AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 308
SANKOFF, LEO
ANATOMY OF THE FOWL; A COLOR FILMSTRIP AND MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 65 17P.

DESCRIPTORS - *POULTRY; *ANATOMY; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; SECONDARY GRADES; POST SECONDARY GRADES; ANIMAL SCIENCE; VETERINARY MEDICINE

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS, THIS 54-FRAME COLOR FILMSTRIP AND COMPANION SCRIPT IS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- AND 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE CONTENT PROVIDES SOME KNOWLEDGE OF THE NORMAL EXTERNAL AND INTERNAL APPEARANCES OF BIRDS AND OF VARIOUS ORGANS AS BACKGROUND INFORMATION PRIOR TO DETERMINING CAUSES OF SICKNESS OR DEATH (HOW TO DO A POULTRY AUTOPSY, VT 009 326, IN THIS ISSUE). THE VARIOUS PARTS OF THE ANATOMY DISCUSSED INCLUDE: (1) SKELETON, (2) MUSCULAR STRUCTURE, (3) DIGESTIVE SYSTEM, (4) RESPIRATORY SYSTEM, (5) SPLEEN, (6) KIDNEYS, AND ASSOCIATED SYSTEMS, (7) REPRODUCTIVE SYSTEM, AND (8) FEATHERS. STUDENTS SHOULD BE OF AT LEAST AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 309
SANKOFF, LEO
GRADING EGGS FOR QUALITY; A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($3.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 13P.

DESCRIPTORS - *POULTRY; *FOOD AND DRUG INSPECTORS; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; POST SECONDARY GRADES; STATE STANDARDS; SECONDARY GRADES; FOOD PROCESSING OCCUPATIONS
IDENTIFIERS - *EGG GRADING; CALIFORNIA

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS, THIS 43-FRAME COLOR FILMSTRIP AND ACCOMPANYING SCRIPT IS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE CONTENT INCLUDES: (1) PARTS OF AN EGG, (2) GRADES OF EGGS, (3) STANDARDS OF QUALITY FOR VARIOUS GRADES, (4) PICTORIAL DESCRIPTIONS OF EACH GRADE, AND (5) COMMON DEFECTS. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE MATERIALS ARE DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 310
ALLEN, RAY; SEEBER, GLENN
OXY-ACETYLENE WELDING: SETTING UP THE EQUIPMENT AND LIGHTING THE TORCH; A COLOR FILMSTRIP AND MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - 65 16P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *WELDERS; *WELDING; POST SECONDARY GRADES; SECONDARY GRADES; AGRICULTURAL ENGINEERING; SAFETY EDUCATION
IDENTIFIERS - *OXY ACETYLENE WELDING

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 53 FRAMES AND ITS COMPANION ILLUSTRATED SCRIPT DETAIL THE NECESSARY AND PROPER PROCEDURES IN SETTING UP OXY-ACETYLENE WELDING EQUIPMENT AND LIGHTING THE OXY-ACETYLENE TORCH. THE FILMSTRIP MAY BE USED TO DEMONSTRATE SAFETY PROCEDURES WHILE ACTUAL WELDING EQUIPMENT IS BEING PREPARED FOR OPERATION. IT WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE VOCATIONAL AGRICULTURE CLASSES. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. THIS FILMSTRIP MAY BE USED AS AN INTRODUCTION TO THE ONE ANNOUNCED AS VT 009 311 (IN THIS ISSUE). (DM)

VT 009 311
SEEBER, GLENN; ALLEN, RAY
OXY-ACETYLENE WELDING: FLAT POSITION WELDS.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($6.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - 68 20P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *WELDING; *WELDERS; AGRICULTURAL ENGINEERING; SAFETY EDUCATION; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *OXY ACETYLENE WELDING

ABSTRACT - TEACHERS AND STUDENTS IN HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED SCRIPT AND ACCOMPANYING 68-FRAME

FILMSTRIP IN VOCATIONAL AGRICULTURE CLASSES. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE CONTENT INCLUDES: (1) WELDING EQUIPMENT, (2) ADJUSTING THE FLAME, (3) A CORNER-FUSION-JOINT WELD, (4) A PUDDLING EXERCISE, (5) A BEADING EXERCISE, (6) BACKFIRE IN THE TORCH, (7) THE BUTT JOINT, (8) THE LAP JOINT, (9) THE TEE JOINT, AND (10) SAFETY PROCEDURES IN TURNING OFF THE TORCH. THE FILMSTRIP ANNOUNCED AS VT 009 310 (IN THIS ISSUE) SHOULD BE USED PRIOR TO THIS UNIT. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 312
VEGETABLES.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - ND 28P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *HORTICULTURE; *PLANT IDENTIFICATION; PLANT SCIENCE; POST SECONDARY GRADES; SECONDARY GRADES; EXHIBITS; AGRICULTURAL PRODUCTION
IDENTIFIERS - *VEGETABLES; CALIFORNIA

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 85 FRAMES AND ITS COMPANION ILLUSTRATED MANUAL PRESENT 65 VEGETABLES CLASSIFIED BY THEIR BOTANICAL FAMILIES: (1) SUNFLOWER FAMILY, (2) MUSTARD FAMILY, (3) GOOSEFOOT FAMILY, (4) CARPET-WEED FAMILY, (5) PEA FAMILY, (6) GRASS FAMILY, (7) BUCKWHEAT FAMILY, (8) LILY FAMILY, (9) PARSLEY FAMILY, (10) SWEET POTATO FAMILY, (11) NIGHTSHADE FAMILY, AND (12) GOURD FAMILY. ALL VEGETABLE PHOTOGRAPHS HAVE INCH-SQUARE GRIDS IN THE BACKGROUND SO STUDENTS CAN OBTAIN A SIZE REFERENCE FOR THE ACTUAL MEASUREMENT OF THE VEGETABLE. THE INTRODUCTORY SLIDES ALSO PRESENT AN ORIENTATION TO VEGETABLE PRODUCTION FACILITIES, PACKAGING, FOOD MARKETS, AND DISPLAYS. THE FILMSTRIP WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION INCLUDING TEXTBOOKS, BULLETINS AND FILMS ARE CITED IN THE MANUAL FOR USE WHEN STUDYING THE TOPIC. (DM)

VT 009 313
TUCKER, JEANNE
BEGINNING TECHNIQUES IN FLOWER ARRANGING: A COLOR FILMSTRIP AND MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($7.00 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 65 25P.

DESCRIPTORS - *FLORICULTURE; *EXHIBITS; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; JOB SKILLS; ORNAMENTAL HORTICULTURE OCCUPATION; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *FLOWER ARRANGING

ABSTRACT - TEACHERS AND STUDENTS IN HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED SCRIPT AND COMPANION 87-FRAME COLOR FILMSTRIP IN VOCATIONAL AGRICULTURE OR ORNAMENTAL HORTICULTURE CLASSES. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE CONTENT COVERS: (1) FLOWER SHAPES, INCLUDING LINE, MASS, FORM, AND FILLER FLOWERS, (2) SELECTING AND GATHERING FLOWERS, (3) EQUIPMENT FOR ARRANGING, (4) PATTERNS OF ARRANGING, (5) DEVELOPING VARIOUS ARRANGEMENTS, AND (6) EXAMPLES OF ARRANGEMENTS. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 314 ED 032 428
BROWN, HOWARD C., AND OTHERS
DEVELOPING A HIGH SCHOOL PROGRAM IN ORNAMENTAL HORTICULTURE. VOLUME I, NURSERY MANAGEMENT.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.50).
PUB DATE - 66 121P.

DESCRIPTORS - *NURSERIES (HORTICULTURE); *VOCATIONAL AGRICULTURE; *MANAGEMENT; *PROGRAM GUIDES; *PROGRAM ADMINISTRATION; ORNAMENTAL HORTICULTURE OCCUPATION; MANAGERIAL OCCUPATIONS; SECONDARY GRADES; POST SECONDARY GRADES; PUBLIC RELATIONS; EDUCATIONAL FACILITIES; PROGRAM DEVELOPMENT; CURRICULUM
IDENTIFIERS - CALIFORNIA

ABSTRACT - THIS MANUAL IS ONE OF A 3-VOLUME SERIES PREPARED TO GUIDE THE HIGH SCHOOL VOCATIONAL AGRICULTURE TEACHER IN TEACHING ORNAMENTAL HORTICULTURE. CHAPTER I INTRODUCES THE READER TO ORNAMENTAL HORTICULTURE AND GIVES EXAMPLES OF HOW THE SUBJECT CAN BE INTEGRATED INTO AN EXISTING AGRICULTURE CURRICULUM. CHAPTER II IS DEVOTED TO THE PUBLIC RELATIONS IMPLICATIONS OF AN ORNAMENTAL HORTICULTURE PROGRAM. CHAPTER III DEALS WITH THE LAYOUT OF PHYSICAL FACILITIES, DISCUSSES GARDEN PLOT LAYOUT, AND INCLUDES A LIST OF PLANTS RECOMMENDED FOR EACH SEASON. PRESENTED IN OUTLINE FORM SO IT MAY BE USED AS A TEACHING UNIT, CHAPTER IV, "THE NURSERY INDUSTRY," INCLUDES SUGGESTIONS FOR INDIVIDUAL STUDENT AND CLASS PROJECTS. SUGGESTIONS ON HOW TO INITIATE AN

INSTRUCTIONAL PROGRAM IN ORNAMENTAL HORTICULTURE IN HIGH SCHOOL CURRICULUMS ARE PRESENTED IN CHAPTER V, AND CHAPTER VI CONSIDERS THE RELATIONSHIP OF PLANT PRODUCTION AND STUDENT PROJECT ACTIVITY TO CLASSROOM WORK AS WELL AS LEGAL IMPLICATIONS OF PLANT SALES. CHAPTER VII CONTAINS A SUGGESTED CALENDAR OF MONTHLY OPERATIONS IN THE GARDEN AND NURSERY AND A LIST OF MONTHLY TOPICS FOR CLASSROOM PRESENTATION. INFORMATION PLANS AND ILLUSTRATIONS DESCRIBING CONSTRUCTION OF A LATHE HOUSE FOR USE IN HIGH SCHOOL ORNAMENTAL HORTICULTURE PROGRAM CONCLUDE THE DOCUMENT. (DM)

VT 009 315
JUDGING VEGETABLE CROPS; HANDBOOK. INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.35).
PUB DATE - ND 18P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *HORTICULTURE; *FIELD CROPS; *EVALUATION; PLANT IDENTIFICATION; SECONDARY GRADES; POST SECONDARY GRADES; *STUDY GUIDES
IDENTIFIERS - *VEGETABLE CROP JUDGING

ABSTRACT - DEVELOPED BY COLLEGE FACULTY IN COOPERATION WITH HIGH SCHOOL TEACHERS, THIS STUDENT HANDBOOK IS FOR USE IN HIGH SCHOOLS AND JUNIOR COLLEGES AS A REFERENCE FOR JUDGING VEGETABLE CROPS. IT WAS REVIEWED BY TEACHERS AND SUBJECT MATTER SPECIALISTS FOR USE IN TRAINING STUDENTS FOR FUTURE FARMERS OF AMERICA (FFA) VEGETABLE CROP JUDGING CONTESTS. THE CONTENT DISCUSSES: (1) IDENTIFICATION OF VEGETABLES, DISEASES, INSECT DAMAGE, DEFECTS AND WEEDS, (2) VEGETABLE JUDGING CONTEST RULES AND CONDUCT, (3) METHODS OF JUDGING, AND SCORE CARD, CHARACTERISTICS OF VEGETABLES JUDGED, AND PROCEDURES IN JUDGING, (4) GIVING REASONS FOR PLACES, AND (5) REFERENCES AND COMPANIES HANDLING VEGETABLE SEEDS. (DM)

VT 009 317
WEBSTER, JAMES P., JR.
USE OF THE LEVEL: READING THE ROD.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF AGRICULTURAL ENGINEERING
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($6.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 68 14P.

DESCRIPTORS - *EQUIPMENT UTILIZATION; *AGRICULTURE ENGINEERING; *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SCRIPTS; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *SURVEY INSTRUMENTS (ENGINEERING)

ABSTRACT - DEVELOPED BY SUBJECT-MATTER SPECIALISTS AND REVIEWED BY TEACHERS, THIS 39-FRAME COLOR FILMSTRIP AND COMPANION SCRIPT IS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. FOLLOWING THE 1- TO 2-HOUR PRESENTATION OF THE FILMSTRIP, STUDENTS MAY USE THE SCRIPT TO REVIEW THE MATERIALS AND AS A GUIDE IN PRACTICE EXERCISES. THE CONTENT INCLUDES PRESENTATION OF THE TYPES OF UTILIZATION OF LEVELS, HOW TO READ VARIOUS TYPES OF RODS, THE PARTS OF THE ROD, AND SAMPLE PROBLEMS. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. THIS UNIT SHOULD FOLLOW VT 009 341 (IN THIS ISSUE). (DM)

VT 009 318
TOONE, HARMON B.; BAUGH, FRANK
FITTING AND SHOWING FFA DAIRY CATTLE; COLOR FILMSTRIP AND ILLUSTRATED SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 18P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *CATTLE; *EXHIBITS; SECONDARY GRADES; POST SECONDARY GRADES; ANIMAL SCIENCE; STUDENT PROJECTS; LIVESTOCK
IDENTIFIERS - *FAIRS

ABSTRACT - TEACHERS AND STUDENTS IN HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED SCRIPT AND ACCOMPANYING 60-FRAME FILMSTRIP IN VOCATIONAL AGRICULTURE CLASSES. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PRODUCTION. THE CONTENT INCLUDES (1) ANIMAL SELECTION, (2) FITTING FOR THE SHOW, INCLUDING BREAKING, FEEDING, WASHING, EQUIPMENT, CLIPPING, AND HOOF TRIMMING, AND (3) SHOW DAY, INCLUDING FEEDING, GROOMING, AND SHOWMANSHIP. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 319
LOWRIE, ALICE
CO-OPS: (COOPERATIVE ORGANIZATIONS OFFERING PRODUCERS SERVICES). INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. AGRICULTURAL COUNCIL OF CALIFORNIA.
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 22P.

DESCRIPTORS - *COOPERATIVES; *FARMERS; *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SCRIPTS; BUSINESS ADMINISTRATION; MARKETING; SERVICES; ORGANIZATION; ECONOMICS; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 79 SINGLE FRAMES OF ITS COMPANION MANUAL ILLUSTRATE AND EXPLAIN THE PURPOSES AND ORGANIZATION OF FARMER COOPERATIVES. A FARMER COOPERATIVE IS AN INCORPORATED BUSINESS OWNED AND CONTROLLED BY MEMBER FARMERS AND OPERATED ON A COST-OF-DOING-BUSINESS BASIS, WHERE ALL NET EARNINGS OR SAVINGS ARE RETURNED TO THE FARMER-PATRON. THIS 1- TO 2-HOUR UNIT, WHICH WAS DESIGNED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS, COMPARES COOPERATIVES TO NON-COOPERATIVE CORPORATIONS, RELATES THE TYPES OF FARMER COOPERATIVES AND EXPLAINS THEIR FUNCTIONS, PRESENTS THEIR ORGANIZATIONAL STRUCTURE, ITEMIZES SOME DISTINCTIVE COOPERATIVE CHARACTERISTICS, AND EXPLAINS HOW THEY DISTRIBUTE THEIR INCOME. VOCATIONAL AGRICULTURE STUDENTS IN HIGH SCHOOLS AND JUNIOR COLLEGES WHO ARE STUDYING THIS MATERIAL SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE MATERIAL IS DESIRABLE WHEN STUDYING THE UNIT. (DM)

VT 009 320
IHNE, BARBARA
FUNDAMENTALS OF EQUITATION; A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - ND 24P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *HORSES; LIVESTOCK; STUDENT PROJECTS; *ANIMAL CARETAKERS; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 86 FRAMES AND ITS COMPANION MANUAL ILLUSTRATE AND EXPLAIN FUNDAMENTALS OF EQUITATION: (1) CATCHING THE HORSE, (2) MANGER KNOT, (3) GROOMING, (4) SADDLING, (5) BRIDLING, (6) MOUNTING, (7) SEAT AND HANDS, (8) DISMOUNTING, (9) UNSADDLING, AND (10) BAREBACK RIDING. THE FILMSTRIP WAS DESIGNED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PRODUCTION. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THIS TOPIC. (DM)

VT 009 321
BIRKETT, RICHARD J.
FAT LAMB PROJECT PROBLEMS; COLOR FILMSTRIP AND ILLUSTRATED SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - ND 22P.

DESCRIPTORS - *SHEEP; *EXHIBITS; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; STUDENT PROJECTS; SECONDARY GRADES; POST SECONDARY GRADES; AGRICULTURAL PRODUCTION; LIVESTOCK; ANIMAL SCIENCE
IDENTIFIERS - *FAIRS

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 73 FRAMES AND ITS COMPANION ILLUSTRATED SCRIPT ARE DESIGNED TO PRESENT WHAT A VOCATIONAL AGRICULTURE STUDENT NEEDS TO KNOW TO INTELLIGENTLY BUY, RAISE AND SELL A FAT LAMB. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PRODUCTION. STUDENTS SHOULD BE OF AVERAGE ABILITY AND AT THE HIGH SCHOOL OR JUNIOR COLLEGE LEVEL. THE CONTENT INCLUDES: (1) SELECTION, (2) FEED AND CARE, (3) MARKETING, (4) SHOW PREPARATION, (5) SHOW DAY, AND (6) EXHIBITION TECHNIQUES. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THIS UNIT. (DM)

VT 009 322
HYER, EDGAR A.
EVOLUTION IN MARKETING FARM PRODUCTS; A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 15P.

DESCRIPTORS - *MARKETING; *AGRICULTURAL PRODUCTION; *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SCRIPTS; POST SECONDARY GRADES; SECONDARY GRADES; ECONOMIC DEVELOPMENT

ABSTRACT - THIS ILLUSTRATED MANUAL EXPLAINS HOW THE PRESENT SYSTEM FOR MARKETING AGRICULTURAL PRODUCTS EVOLVED, BEGINNING WITH THE PROCESS OF BARTERING FOR GOODS. AS TOWNS DEVELOPED, SO DID THE VILLAGE MARKET WHERE FARMERS MET WITH THE TOWNSPEOPLE TO SELL THEIR GOODS. MONEY FACILITATED THIS EXCHANGE. NEXT TO DEVELOP WERE THE SPECIAL CHANNELS IN WHICH MARKETING SPECIALISTS TOOK OVER THE MARKETING FUNCTION, RELIEVING THE FARMER OF THIS RESPONSIBILITY AND EARNING FOR THEMSELVES A PORTION OF THE SALES PRICE. THE LATEST DEVELOPMENT IS THAT OF INTEGRATED MARKETING, CHARACTERIZED BY FOOD CHAIN STORES, IN WHICH ONE ORGANIZATION HANDLES THE ENTIRE PROCESS FROM THE FARMER'S FIELD TO THE HOUSEWIFE'S SHOPPING BAG. THE COMPANION 48-FRAME FULL-COLOR FILMSTRIP DEPICTS THIS STUDY IN CARTOON FASHION. IT WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. SUBJECT MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 323
VORHIES, RALPH
EXHIBITING PLANT PRODUCTS AT THE FAIR; A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 14P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; *EXHIBITS; HORTICULTURE; AGRONOMY; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *FAIRS

ABSTRACT - TEACHERS AND STUDENTS IN HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED SCRIPT AND ACCOMPANYING 48-FRAME FILMSTRIP IN VOCATIONAL AGRICULTURE CLASSES. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PRODUCTION. THE CONTENT INCLUDES PLANNING FOR THE FAIR, SELECTION OF ENTRIES, AND PREPARATION OF EXHIBITS. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 324
FITTING AND SHOWING FFA BEEF; COLOR FILMSTRIP AND ILLUSTRATED SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.75 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 23P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *LIVESTOCK; *EXHIBITS; ANIMAL SCIENCE; POST SECONDARY GRADES; SECONDARY GRADES; *CATTLE
IDENTIFIERS - *BEEF SHOWMANSHIP

ABSTRACT - TEACHERS AND STUDENTS IN HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED SCRIPT AND ACCOMPANYING 71-FRAME FILMSTRIP IN VOCATIONAL AGRICULTURE CLASSES. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE CONTENT INCLUDES: (1) PRE-SHOW TRAINING JOBS, (2) PREPARING THE ANIMAL'S HORNS, (3) HOOF TRIMMING, (4) CLIPPING, (5) WASHING, (6) GROOMING, (7) EQUIPMENT, (8) SHOWMANSHIP, AND (9) THE SHOW UNIFORM. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. SOME EQUIPMENT WHICH MAY BE DEMONSTRATED IN THE CLASSROOM INCLUDES: (1) SCOTCH COMB, (2) SHOW HALTER, (3) ROPE HALTER, (4) ROUND CURRY-COMB, (5) SHOW STICK, (6) BIG COMB, (7) HORN WEIGHTS, (8) RASP, (9) HOOF SCRAPER, (10) SWIPE OIL, (11) EMERY CLOTH, (12) WOOD CHISEL, AND (13) A JUMBO-SIZED PICTURE OF A BEEF ANIMAL TO ILLUSTRATE TECHNIQUE. (DM)

VT 009 325
MILLS, MICHAEL; RICHARD, HERMAN
PRE-NATAL DEVELOPMENT OF THE CALF: A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - ND 15P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *CATTLE; SECONDARY GRADES; POST SECONDARY GRADES; LIVESTOCK; DEVELOPMENT; BREEDING
IDENTIFIERS - *PRENATAL DEVELOPMENT

ABSTRACT - TEACHERS AND STUDENTS OF HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED SCRIPT AND ACCOMPANYING 50-FRAME FILMSTRIP IN VOCATIONAL AGRICULTURE CLASSES. THE DEVELOPMENT GROUP INCLUDED COLLEGE FACULTY AND HIGH SCHOOL TEACHERS. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PRODUCTION. THE CONTENT INCLUDES 41 SLIDE FRAMES PICTURING FETUS DEVELOPMENT, FETUS SIZE, AND AGE FROM CONCEPTION, AND FIVE SUMMARY SLIDE FRAMES DEPICTING FETUS DEVELOPMENT AND GROWTH. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 326
SANKOFF, LEO
HOW TO DO A POULTRY AUTOPSY; A COLOR FILMSTRIP AND MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 64 21P.

DESCRIPTORS - *POULTRY; *ANATOMY; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; SECONDARY GRADES; POST SECONDARY GRADES; ANIMAL SCIENCE; VETERINARY MEDICINE

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 67 SINGLE FRAMES AND ITS COMPANION ILLUSTRATED MANUAL DEMONSTRATE THE PROPER PROCEDURES FOR CONDUCTING A POULTRY AUTOPSY, FROM KILLING METHODS TO FINAL WASHUP AND CARCASS DISPOSAL. DETAILED PHOTOGRAPHS SHOW CHANGES IN BODY TISSUES OF BIRDS AFFECTED WITH VARIOUS SICKNESSES. ABNORMAL CONDITIONS ILLUSTRATED INCLUDE AIR SAC INFECTION, LEUKOSIS COMPLEX, PARALYSIS, COCCIDIOSIS, AND ENTERITIS. THE SCRIPT MAY BE USED AS NARRATION FOR THE FILMSTRIP AND FOR LATER REVIEW BY STUDENTS. THE UNIT WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL

AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. STUDENTS SHOULD BE OF AT LEAST AVERAGE ABILITY FOR THIS 1- TO 2-HOUR LESSON. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. THIS FILMSTRIP SHOULD BE SHOWN FOLLOWING THE ONE DISCUSSING POULTRY ANATOMY (VT 009 308, IN THIS ISSUE). (DM)

VT 009 327
DELAMETER, CHARLES
CATCHING AND HANDLING POULTRY; COLOR FILMSTRIP AND ILLUSTRATED SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - ND 14P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *POULTRY; SECONDARY GRADES; POST SECONDARY GRADES; *ANIMAL CARETAKERS; SUPERVISED FARM PRACTICE

ABSTRACT - THIS FULL-COLOR FILMSTRIP OF 39 FRAMES AND ITS COMPANION MANUAL ILLUSTRATE AND EXPLAIN APPROVED PROCEDURES FOR CATCHING, HOLDING, PASSING AND HANDLING POULTRY UNDER BOTH FLOOR AND COMMERCIAL CAGE OPERATION CONDITIONS, PLUS TAKING A BIRD FROM AND RETURNING IT TO A SHOW CAGE OR SHIPPING CRATE. USE OF THE CATCHING HOOK, A LONG-HANDLED NET AND A WIRE CATCHING FRAME ARE DEMONSTRATED. THE CONTENT WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE FILM-SCRIPT MANUAL MAY BE TAKEN APART AND MOUNTED AS A BULLETIN BOARD OR WINDOW DISPLAY AND THE FILMSTRIP MAY BE USED AS AN INTEREST AROUSER IN STARTING A UNIT ON POULTRY. LIVE BIRDS SHOULD BE AVAILABLE FOR PRACTICAL APPLICATION OF THE INFORMATION IN THE FILMSTRIP. A SUGGESTED LESSON PLAN IS INCLUDED. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 328
BRANNUM, TOM
COMMERCIAL BEEF CATTLE PROJECTS; COLOR FILMSTRIP AND ILLUSTRATED SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN AGRICULTURAL EDUCATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - ND 18P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *CATTLE; *FARM MANAGEMENT; AGRICULTURAL PRODUCTION; POST SECONDARY GRADES; SECONDARY GRADES; LIVESTOCK; ANIMAL SCIENCE

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS, THIS 64-FRAME COLOR FILMSTRIP AND COMPANION SCRIPT IS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE VOCATIONAL AGRICULTURE CLASSES. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE CONTENT DISCUSSES THE SELECTION OF GOOD-QUALITY CATTLE SUITED TO THE TYPE OF FEED AVAILABLE, FEEDING THEM PROPERLY, AND SELLING THEM TO THE BEST POSSIBLE ADVANTAGE BY INVESTIGATING ALL MARKET OUTLETS BEFORE SELLING. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 329
DELAMETER, CHARLES M.
EMBRYO DEVELOPMENT OF THE CHICK; A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($3.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 15P.

DESCRIPTORS - *EMBRYOLOGY; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *POULTRY; SECONDARY GRADES; POST SECONDARY GRADES; LESSON PLANS

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS, THIS 30-FRAME COLOR FILMSTRIP AND ACCOMPANYING SCRIPT IS FOR USE IN CLASSES OF VOCATIONAL AGRICULTURE IN HIGH SCHOOLS AND JUNIOR COLLEGES. SUBJECT-MATTER SPECIALISTS AND TEACHERS REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. THE SLIDES TRACE THE DEVELOPMENT OF THE EMBRYO FROM CONCEPTION TO HATCHING. THE FILMSCRIPT MANUAL, IN ADDITION TO THE NARRATION, CONTAINS A SUGGESTED LESSON PLAN FOR A UNIT ON EMBRYO DEVELOPMENT OF THE CHICK AND A GLOSSARY OF MAJOR TERMS. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 333
TUCKER, JEANNE
FLOWERS TO WEAR: DESIGNING FOR THE OCCASION, THE COSTUME AND THE INDIVIDUAL; BEGINNING TECHNIQUES IN CORSAGE MAKING; CREATING CORSAGES WITH GLAMOUR.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF ORNAMENTAL HORTICULTURE
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($39.50 FOR ILLUSTRATED SCRIPT AND 3 FILMSTRIPS).
PUB DATE - 67 72P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS;

*VOCATIONAL AGRICULTURE; *FLORICULTURE;
*ORNAMENTAL HORTICULTURE OCCUPATION;
SECONDARY GRADES; POST SECONDARY GRADES;
ORNAMENTAL HORTICULTURE
IDENTIFIERS - *CORSAGES

ABSTRACT - DEVELOPED BY COLLEGE FACULTY IN COOPERATION WITH HIGH SCHOOL TEACHERS, THIS ILLUSTRATED MANUAL AND ITS THREE COMPANION COLOR FILMSTRIPS WERE DESIGNED FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF FLORICULTURE. VOCATIONAL AGRICULTURE TEACHERS WILL NORMALLY USE THESE FILMS WITH AVERAGE STUDENTS TO SUPPLEMENT A UNIT OF STUDY. THE MATERIAL WAS REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. THE FIRST FILMSTRIP WHICH HAS 47 SLIDE FRAMES DISCUSSES DESIGNING FOR THE OCCASION, THE COSTUME, AND THE INDIVIDUAL: (1) THE CORSAGE, (2) THE COSTUME, (3) FLOWERS FOR CORSAGES, (4) PERSONALITY OF THE WEARER, AND (5) OCCASIONS FOR USE. PART TWO, BEGINNING TECHNIQUES IN CORSAGE MAKING CONTAINS 101 SLIDE FRAMES DISCUSSING: (1) PREPARATION, (2) MAKING THE BOW, (3) BOUTONNIERE, (4) GARDENIA CORSAGE, (5) POMPOM MUM CORSAGE, AND (6) TIPS TO REMEMBER. PART THREE HAS 107 SLIDE FRAMES ILLUSTRATING HOW TO CREATE CORSAGES WITH GLAMOUR: (1) CYMBIDIUM ORCHID CORSAGE, (2) SWEETHEART ROSEBUD CORSAGE, (3) ROSEBUD AND STEPHANOTIS CORSAGE, (4) CATTLEYA CORSAGE, (5) FOLIAGE CORSAGE, AND (6) TIPS TO REMEMBER. (DM)

VT 009 334
SANKOFF, LEO
POULTRY SELECTION AND JUDGING.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF POULTRY INDUSTRY
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($14.75 FOR ILLUSTRATED SCRIPT AND 2 FILMSTRIPS).
PUB DATE - 68 33P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *POULTRY; EVALUATION; ANIMAL SCIENCE; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - THIS 2-PART ILLUSTRATED MANUAL AND ITS COMPANION FILMSTRIPS WERE DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. THE 1- TO 2-HOUR UNIT WAS REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING COMPLETION OF PRODUCTION. PART I DISCUSSES THE BASIC RULES AND PREPARATION FOR JUDGING, NECESSARY SKILLS FOR JUDGING, HOW TO HANDLE A BIRD, STEPS IN HOLDING AND PASSING A MALE, HEAD TYPES ON HENS, PIGMENTATION, AND MOLTING. PART II DISCUSSES KEY POINTS ON POPULAR BREEDS OF CHICKENS RELATING MINOR AND MAJOR DEFECTS THAT INFLUENCE BIRD SELECTION AND JUDGING. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE UNIT. THERE ARE 63 SLIDE FRAMES IN PART I AND 51 SLIDE FRAMES IN PART II. (DM)

VT 009 335
GIBBS, GORDON L.
BEEF CARCASS JUDGING AND GRADING; A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 37P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *EVALUATION; *CATTLE; SECONDARY GRADES; POST SECONDARY GRADES; GRADING
IDENTIFIERS - *CARCASS EVALUATION

ABSTRACT - THIS 58-FRAME COLOR FILMSTRIP ON CARCASS BEEF EVALUATION AND ITS ACCOMPANYING ILLUSTRATED SYLLABUS WAS DEVELOPED TO PROVIDE A VISUAL AID IN TEACHING MEATS FOR THE PREPARATION OF MEAT JUDGING TEAMS. THE PICTURE SEQUENCE WAS ORGANIZED TO INTRODUCE THE FACTORS USED IN JUDGING AND GRADING AND THEN TO PROVIDE CLASSES FOR APPLICATION OF AND A THOROUGH STUDY OF THE DATA AVAILABLE ON EACH CARCASS. THE DEGREE OF MARBLING, MATURITY GROUPS, AND FEDERAL GRADES WERE PLACED ON EACH CARCASS BY OFFICIALS OF THE FEDERAL GRADING SERVICE. AN OFFICIAL PLACING IS SUGGESTED AT THE END OF EACH JUDGING CLASS. THE MATERIAL WAS REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS. STUDENTS OF AVERAGE ABILITY IN HIGH SCHOOL OR JUNIOR COLLEGE VOCATIONAL AGRICULTURE CLASSES WOULD NORMALLY SPEND ONE OR TWO CLASS PERIODS FOR VIEWING THE FILMSTRIP AND DISCUSSION OF ITS CONTENTS. THE CONTENT INCLUDES FINISH EVALUATION, MATURITY, CONFIRMATION EVALUATION, AND NINE CLASSES TO JUDGE AND GRADE. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THIS UNIT. (DM)

VT 009 336
HOUSTON, F. RAY
PLANT IDENTIFICATION: ANNUALS, PERENNIALS, AND HOUSE PLANTS.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF ORNAMENTAL HORTICULTURE
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($14.95 FOR ILLUSTRATED SCRIPT, FILMSTRIP, AND TAPED NARRATION).
PUB DATE - 67 45P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *PLANT IDENTIFICATION; *FLORICULTURE; ORNAMENTAL HORTICULTURE; ORNAMENTAL HORTICULTURE OCCUPATION; TAPE RECORDINGS; SECONDARY GRADES; POST SECONDARY GRADES; *VOCATIONAL AGRICULTURE; PLANT SCIENCE

ABSTRACT - DEVELOPED FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE, THIS ILLUSTRATED MANUAL AND ITS COMPANION 78-FRAME COLOR FILMSTRIP WITH TAPE NARRATION ILLUSTRATE 48 ANNUALS, PERENNIALS, AND HOUSE PLANTS TO ASSIST STUDENTS IN PLANT

IDENTIFICATION. A REFERENCE SECTION CONTAINS ADDITIONAL INFORMATION ABOUT THE PLANTS PICTURED IN THE FILMSTRIP. AN ALPHABETICAL INDEX PROVIDES THE SLIDE FRAME NUMBER AND PAGE NUMBER IN THE MANUAL WHERE THE PLANT IS DISCUSSED. THE MATERIAL WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS AND REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. STUDENTS SHOULD BE OF AT LEAST AVERAGE ABILITY FOR THIS 1- TO 2-HOUR UNIT IN FLORICULTURE. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE IN STUDYING THE TOPIC. ADDITIONAL ILLUSTRATED MANUALS ARE AVAILABLE FOR $1.00 EACH. (DM)

VT 009 337
PAUTZ, ROLAND
POULTRY BROODING MANAGEMENT; A COLOR FILMSTRIP AND MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 65 23P.

DESCRIPTORS - *POULTRY; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; AGRICULTURAL PRODUCTION; ANIMAL SCIENCE; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS, THIS ILLUSTRATED MANUAL, WHICH CONTAINS A NARRATION FOR THE 70-FRAME COLOR FILMSTRIP, DISCUSSES EQUIPMENT AND PROCEDURES FOR EFFICIENT POULTRY BROODING MANAGEMENT. THE MANUAL AND FILMSTRIP WERE REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. THEY MAY BE APPROPRIATELY USED IN HIGH SCHOOL OR JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE WITH STUDENTS OF AVERAGE ABILITY FOR ONE OR TWO CLASS PERIODS. TOPICS INCLUDE BROODING SYSTEMS, TYPES OF BROODING EQUIPMENT, BROODING PREPARATION, AND SANITATION PROCEDURES FOR GOOD FLOCK HEALTH. DETAILED INFORMATION PROVIDED BY DIAGRAMS AND FULL-COLOR PHOTOGRAPHS COVER SUCH SPECIFICS AS PROPER DISINFECTING METHODS, THE CHOICE OF WATER FOUNTS AND FEEDERS, AND ADJUSTMENT OF BROODER TEMPERATURES. RECOMMENDATIONS ARE PROVIDED FOR MEETING COMMON POULTRY BROODING PROBLEMS. STANDARD TEXTBOOKS SHOULD BE USED TO SUPPLEMENT THE INFORMATION IN THESE INSTRUCTIONAL AIDS. (DM)

VT 009 338
BRANNUM, TOM
BEEF CATTLE, PART I, CASTRATION; A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 13P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SCRIPTS; *AGRICULTURAL PRODUCTION; *CATTLE; ANIMAL SCIENCE; ANIMAL CARETAKERS; LIVESTOCK; SECONDARY GRADES; POST SECONDARY GRADES; VETERINARY MEDICINE
IDENTIFIERS - *CASTRATION

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS, THIS ILLUSTRATED MANUAL AND ITS COMPANION 40-FRAME COLOR FILMSTRIP DEAL WITH THE PROCESS OF CASTRATION AS APPLIED TO CATTLE. THEY WERE REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. VOCATIONAL AGRICULTURE TEACHERS MAY USE THIS MATERIAL IN HIGH SCHOOL OR COLLEGE CLASSROOMS FOR ONE OR TWO CLASS PERIODS WITH STUDENTS OF AVERAGE ABILITY. ILLUSTRATED MATERIALS IN THE MANUAL PRESENT REASONS FOR CASTRATION, DIFFERENCE IN CUTS AND QUALITY OF MEATS OF STEERS AND BULLS, MATERIALS AND EQUIPMENT FOR PERFORMING A JOB OF CASTRATION, AND TECHNIQUES RECOMMENDED FOR DESIRED RESULTS. VARIOUS ASPECTS OF THIS IMPORTANT FUNCTION IN BEEF PRODUCTION ARE DESCRIBED: CLEANLINESS AND SANITATION FACTORS ARE STRESSED, METHODS OF PROPER RESTRAINT ARE CHARACTERIZED, AND SAFETY PRECAUTIONS ARE DELINEATED. EXPLANATIONS OF EACH STEP IN THE OPERATING PROCEDURE ARE FULLY EXPLAINED FOR KNIFE AND EMASCULATOR CASTRATION FROM THE INITIAL APPROACH TO FOLLOW-UP TREATMENT. THE BURDIZZO AND ELASTRATOR ARE ALSO ILLUSTRATED, GIVING THEIR ADVANTAGES AND PROPER USE. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THIS TOPIC. (DM)

VT 009 339
WESTESEN, GERALD L.; MERRIAM, JOHN L.
INTRODUCTION TO IRRIGATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF AGRICULTURAL ENGINEERING
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($7.50 FOR FILMSTRIP AND ILLUSTRATED SCRIPT).
PUB DATE - 68 12P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SCRIPTS; *IRRIGATION; *AGRICULTURAL ENGINEERING; AGRICULTURAL PRODUCTION; AGRONOMY; SECONDARY GRADES; POST SECONDARY GRADES

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS IN HIGH SCHOOLS AND JUNIOR COLLEGES MAY USE THIS ILLUSTRATED MANUAL AND COMPANION 34-FRAME FILMSTRIP WITH STUDENTS OF AVERAGE ABILITY. THE CONTENT WAS DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS AND REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. APPROXIMATELY ONE OR TWO CLASS PERIODS SHOULD BE ALLOWED FOR VIEWING THE FILM AND DISCUSSION OF ITS CONTENTS WHICH INCLUDE: (1) REASONS FOR IRRIGATION, (2) SOIL AND WATER RELATIONSHIPS, (3) WHEN TO IRRIGATE, (4) AMOUNT TO IRRIGATE, AND (5) METHODS OF IRRIGATION. ADDITIONAL RESOURCE INFORMATION SHOULD BE UTILIZED IN

STUDYING THIS TOPIC. (DM)

VT 009 340
THE FOOD PROCESSING INDUSTRY.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. DEPT. OF FOOD PROCESSING
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($7.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 68 13P.

DESCRIPTORS - *FOOD PROCESSING OCCUPATIONS; *OCCUPATIONAL INFORMATION; *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; POST SECONDARY GRADES; CAREER OPPORTUNITIES; OCCUPATIONAL GUIDANCE; AGRICULTURAL OCCUPATIONS; SECONDARY GRADES

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE, THIS ILLUSTRATED MANUAL AND COMPANION 38-FRAME COLOR FILMSTRIP WAS REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. ONE OR TWO CLASS PERIODS SHOULD BE ALLOCATED FOR VIEWING THE FILM AND DISCUSSION OF ITS CONTENTS. THE NARRATIVE DISCUSSES THE JOURNEY TAKEN BY FOOD FROM THE FARMS AND RANCHES TO THE TABLES OF CONSUMERS. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THE TOPIC. (DM)

VT 009 341
MEACHAM, V.H.
USE OF THE LEVEL: SETTING UP THE INSTRUMENT; A COLOR FILMSTRIP AND MANUAL. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 65 14P.

DESCRIPTORS - *EQUIPMENT UTILIZATION; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SCRIPTS; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *SURVEY INSTRUMENTS (ENGINEERING)

ABSTRACT - THE ENGINEERING LEVEL IS USED TO DETERMINE ACCURATE DIFFERENCES IN ELEVATION. SOME OF THE APPLICATIONS OF THIS INFORMATION ARE DISCUSSED IN THIS 41-FRAME COLOR FILMSTRIP AND ITS COMPANION MANUAL. SUBJECT MATTER SPECIALISTS AND TEACHERS DEVELOPED AND REVIEWED THE 1- TO 2-HOUR UNIT PRIOR TO ITS PUBLICATION. IT IS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. THE CONTENT INCLUDES: (1) USES OF LEVELS, (2) TYPES OF LEVELS, (3) CARE OF LEVELS, (4) SETTING UP THE TRIPOD, (5) MOUNTING THE INSTRUMENTS, (6) LEVELING THE INSTRUMENT, (7) FOCUSING THE LEVEL, AND (8) USING THE ROD. STUDENTS SHOULD BE OF AVERAGE ABILITY. ADDITIONAL RESOURCE INFORMATION IS DESIRABLE WHEN STUDYING THIS AND THE FOLLOWING UNIT (VT 009 317, IN THIS ISSUE). (DM)

VT 009 342
LEACH, RICHARD, AND OTHERS
THE POULTRY INDUSTRY, A CAREER WITH A FUTURE; A COLOR FILMSTRIP AND MANUAL.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($5.00 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - 65 24P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *POULTRY; *OCCUPATIONAL INFORMATION; OCCUPATIONAL GUIDANCE; CAREER OPPORTUNITIES; AGRICULTURAL OCCUPATIONS; SECONDARY GRADES; POST SECONDARY GRADES; ACHIEVEMENT TESTS

ABSTRACT - THIS ILLUSTRATED NARRATIVE AND ITS COMPANION 71-FRAME COLOR FILMSTRIP PRESENT OCCUPATIONAL INFORMATION CONCERNING CAREER OPPORTUNITIES IN THE POULTRY INDUSTRY. THEY WERE DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE CLASSES OF VOCATIONAL AGRICULTURE. THE MATERIAL WAS REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. THE CONTENT PROVIDES AN OVERVIEW OF THE POULTRY INDUSTRY: PRODUCTION THROUGH MARKETING, POULTRY RESEARCH, POULTRY FEED PREPARATION, DISEASE CONTROL, AND HATCHERY OPERATION. A SUGGESTED TRUE-FALSE EXAMINATION IS APPENDED. STUDENTS SHOULD BE OF AVERAGE ABILITY FOR THIS 1- TO 2-HOUR UNIT. SUPPLEMENTARY MATERIAL IS DESIRABLE TO ALLOW STUDENTS TO STUDY THE POULTRY INDUSTRY IN GREATER DEPTH. (DM)

VT 009 350
THOMSON, W.T.; DEVANTER, GORDON VAN
POCKET GOPHERS: HABITS, DAMAGE AND CONTROL. A COLOR FILMSTRIP AND SYLLABUS. INSTRUCTIONAL MATERIALS FOR USE IN TEACHING AGRICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($4.50 FOR ILLUSTRATED SCRIPT AND FILMSTRIP).
PUB DATE - ND 17P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *VOCATIONAL AGRICULTURE; *RODENTICIDES; FARM MANAGEMENT; AGRICULTURAL PRODUCTION; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *POCKET GOPHERS; RODENT CONTROL

ABSTRACT - DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS FOR USE IN HIGH SCHOOL AND JUNIOR COLLEGE VOCATIONAL AGRICULTURE CLASSES, THIS ILLUSTRATED MANUAL AND COMPANION 53-FRAME COLOR FILMSTRIP DEPICT THE

APPEARANCE, HABITS, BURROWS, TYPES OF DAMAGE, AND METHODS OF CONTROL OF THE POCKET GOPHER. THE MANUAL CAN BE USED TO PROVIDE A PREVIEW OF THE MATERIAL FOR THE INSTRUCTOR OR SERVE TO ILLUSTRATE THE MATERIAL FOR INDIVIDUAL STUDY BY STUDENTS WHEN IT IS NOT DESIRABLE TO PROJECT THE FILMSTRIP. FARMERS, ORCHARDISTS, AND HOME GARDENERS WILL FIND SUGGESTIONS IN THIS MATERIAL FOR PROMPT CONTROL MEASURES TO UTILIZE WHEN AN AREA IS INVADED BY POCKET GOPHERS. METHODS OF CONTROL COVERED INCLUDE TRAPPING, POISON BAIT, POISON GAS, FLOODING, EXCLUSION, AND NATURAL PREDATORS. THE MATERIAL WAS REVIEWED BY TEACHERS AND SUBJECT-MATTER SPECIALISTS PRIOR TO AND FOLLOWING PRODUCTION. STUDENTS SHOULD BE OF AVERAGE ABILITY FOR THIS 1- TO 2-HOUR UNIT. ADDITIONAL SUPPLEMENTARY MATERIAL IS DESIRABLE WHEN STUDYING THIS TOPIC. (DM)

VT 009 351
KLAUSTERMEYER, JAMES; MCGLOTHLEN, VERN
GROUND SQUIRREL CONTROL (SPECIES--CITELLUS BEECHEYI BEECHEYI); LIFE HABIT AND DAMAGE AND CONTROLS; (TWO PARTS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($13.50 FOR ILLUSTRATED SCRIPT AND 2 FILMSTRIPS).
PUB DATE - 68 29P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FILMSTRIPS; *SCRIPTS; *RODENTICIDES; SECONDARY GRADES; POST SECONDARY GRADES; FARM MANAGEMENT; AGRICULTURAL PRODUCTION
IDENTIFIERS - *GROUND SQUIRREL CONTROL

ABSTRACT - THIS ILLUSTRATED MANUAL AND ITS TWO COMPANION FILMSTRIPS WERE DESIGNED TO AID AGRICULTURE TEACHERS, COUNTY AGRICULTURE COMMISSIONERS, AND THOSE INTERESTED IN VERTEBRATE PEST CONTROL IN TEACHING THE CONTROL OF GROUND SQUIRRELS. THEY WERE DEVELOPED BY COLLEGE FACULTY AND HIGH SCHOOL TEACHERS AND REVIEWED PRIOR TO FINAL PRODUCTION. THE TARGET AUDIENCE INCLUDES HIGH SCHOOL AND JUNIOR COLLEGE CLASSES IN VOCATIONAL AGRICULTURE. APPROXIMATELY ONE OR TWO CLASS PERIODS SHOULD BE ALLOCATED FOR VIEWING AND DISCUSSION OF THE CONTENTS, WHICH INCLUDE: (1) LIFE HABIT AND DAMAGE, A FILMSTRIP OF 27-SLIDE FRAMES DISCUSSING THE LIFE HABITS AND THE CORRECT TIMES FOR ATTEMPTS AT CONTROL, AND (2) GROUND SQUIRREL CONTROL, A FILMSTRIP OF 51-SLIDE FRAMES DISCUSSING THE FOUR CONTROL METHODS OF POISON GASES (FUMIGANTS), POISON BAITS, TRAPPING, AND EXCLUSION. CORRECT APPLICATION OF EACH CONTROL METHOD IS DISCUSSED. STUDENTS SHOULD BE OF AVERAGE ABILITY. (DM)

VT 009 390
TODD, JOHN D.
ELECTRICAL WIRING.

TENNESSEE UNIV., KNOXVILLE. DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, UNIVERSITY OF TENNESSEE, 308 MORGAN HALL, KNOXVILLE, TENNESSEE 37916 (NO CHARGE).
PUB DATE - AUG69 79P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ELECTRICITY; ELECTRICAL CIRCUITS; ADULT FARMER EDUCATION; SECONDARY GRADES; YOUNG FARMER EDUCATION; FARMERS; TRANSPARENCIES; LABORATORY EXPERIMENTS; *FARM STRUCTURES

ABSTRACT - DESIGNED FOR TEACHER USE, THIS PUBLICATION INCLUDES A SUGGESTED PROCEDURE AND SUBJECT CONTENT FOR TEACHING ELECTRICAL WIRING TO HIGH SCHOOL AND ADULT CLASSES IN VOCATIONAL AGRICULTURE. SELECTED PARTS OF THE REFERENCE MAY BE REPRODUCED FOR USE BY STUDENTS AS LABORATORY EXERCISES AND FOR USE BY TEACHERS AS TRANSPARENCIES. THE CONTENT INCLUDES: (1) TEACHING OUTLINE, (2) EQUIPMENT AND SUPPLIES NEEDED, (3) SAFETY PRECAUTIONS, (4) WIRING SIMPLE CIRCUITS, (5) WIRING OF AN ELECTRICAL INSTALLATION, (6) PLANNING FOR ELECTRICAL WIRING, (7) PLANNING FOR CIRCUIT ARRANGEMENT OF FARM BUILDINGS, (8) DIFFERENT TYPES OF CIRCUITS NEEDED, (9) PLANNING THE WIRING LAYOUT FOR A BUILDING, AND (10) FIGURING THE COST OF ELECTRICAL SERVICE. TEACHERS SHOULD HAVE SOME EXPERIENCE IN ELECTRICAL WIRING AND A BACKGROUND KNOWLEDGE OF ELECTRICAL PRINCIPLES. PART OF THE CONTENT COULD BE TAUGHT IN THE BASIC VOCATIONAL AGRICULTURE COURSES AND THE REST IN MORE SPECIALIZED COURSES. THE MATERIAL MAY BE TAUGHT AS A 1-SEMESTER COURSE OR IN SMALLER, MORE CONCISE UNITS REQUIRING 1 TO 8 WEEKS PER UNIT. (DM)

VT 009 565
HOOVER, NORMAN, AND OTHERS
SUPERVISED OCCUPATIONAL EXPERIENCE IN AGRICULTURE; PLANS AND RECORDS.

FRENCH-BRAY PRINTING COMPANY, CANDLER BUILDING, BALTIMORE, MARYLAND 21202 (MINIMUM OF 3 COPIES: $1.00, POSTAGE PREPAID).
PUB DATE - 69 34P.

DESCRIPTORS - *COOPERATIVE EDUCATION; RECORDS (FORMS); *STUDENT PROJECTS; *VOCATIONAL AGRICULTURE; *WORKBOOKS; *OFF FARM AGRICULTURAL OCCUPATIONS; SECONDARY GRADES; BOOKKEEPING

ABSTRACT - THIS RECORD BOOK WAS DESIGNED TO ASSIST THE STUDENT AND HIS VOCATIONAL AGRICULTURE TEACHER IN PLANNING AND CONDUCTING A PROGRAM OF COOPERATIVE OCCUPATIONAL EXPERIENCE. IT SHOULD SUPPLEMENT THE CLASS INSTRUCTION AND GUIDE THE STUDENT IN ATTAINING HIS OBJECTIVES. THE BOOK PROVIDES SPACE FOR: (1) DESCRIBING THE PLACES WHERE THE STUDENT WORKS, (2) RECORDING THE KINDS OF EXPERIENCES PLANNED, (3) RECORDING DETAILS OF THE EMPLOYMENT AGREEMENT, (4) RECORDING OCCUPATIONAL EXPERIENCES BY MONTHS, AND (5) KEEPING RECORDS OF ACCOMPLISHMENTS. RECORDS OF AGRICULTURAL PRODUCTION EXPERIENCES SHOULD BE KEPT IN A SEPARATE BOOK. A RELATED TEACHING GUIDE FOR GUIDING THE STUDENT UTILIZATION OF THIS WORKBOOK IS ANNOUNCED AS VT 008 783 (AIM FALL 1969). (DM)

VT 009 566
RIDENOUR, HARLAN E.
WEED CONTROL, CULTURAL AND CHEMICAL.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($1.50).
PUB DATE - 69 113P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *WEEDS; *AGRICULTURAL CHEMICAL OCCUPATIONS; *HERBICIDES; STUDY GUIDES; AGRONOMY; PLANT SCIENCE; AGRICULTURAL PRODUCTION; SECONDARY GRADES; POST SECONDARY EDUCATION; FARMERS; PLANT IDENTIFICATION; AGRICULTURAL SAFETY

ABSTRACT - THE PURPOSE OF THIS MANUAL IS TO PROVIDE INFORMATION FOR STUDENTS TO STUDY THE EXTENT AND NATURE OF THE WEED PROBLEM, LEARN MORE ABOUT THE GROWTH HABIT OF WEEDS, EXAMINE THE VARIOUS METHODS OF CONTROL, REVIEW SAFETY PRACTICES, AND APPLY HIS KNOWLEDGE BY RECOMMENDING WEED CONTROL PROGRAMS FOR ACTUAL FARM CONDITIONS. THE MANUAL WAS DEVELOPED BY CURRICULUM SPECIALISTS, WORKING WITH AGRONOMISTS, FOR USE IN HIGH SCHOOL OR ADULT FARMER PRODUCTION AGRICULTURE CLASSES. STUDENTS SHOULD BE INTERESTED IN FARMING OR AN AGRICULTURAL CHEMICAL OCCUPATION AS A CAREER. TEACHERS SHOULD BE COMPETENT IN PRODUCTION AGRICULTURE. THE CONTENT INCLUDES CHAPTERS ON: (1) WHY SHOULD WE CONTROL WEEDS, (2) CLASSIFICATION, IDENTIFICATION, AND SPREADING OF PROBLEM WEEDS, (3) METHODS OF CONTROLLING WEEDS, (4) HOW HERBICIDES ARE USED, (5) SAFETY IN USING HERBICIDES, (6) HERBICIDE APPLICATION EQUIPMENT, AND (7) WHAT WEED CONTROL PROGRAM SHOULD YOU FOLLOW? THE TEXTUAL MATERIAL IS ILLUSTRATED WITH TABLES, LINE DRAWINGS, AND PHOTOGRAPHS. A GLOSSARY OF WEED CONTROL TERMS IS APPENDED. TRANSPARENCY MASTERS TO ACCOMPANY THIS MANUAL ARE AVAILABLE FROM THE PUBLISHER. (DM)

VT 009 567
PLOWS AND PLOWING.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
AGDEX 741
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($1.75).
PUB DATE - 69 131P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *FARM MECHANICS (OCCUPATION); *AGRICULTURAL MACHINERY; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; SECONDARY GRADES; AGRICULTURAL MACHINERY OCCUPATIONS; FARMERS; AGRICULTURAL PRODUCTION; EQUIPMENT MAINTENANCE; EQUIPMENT UTILIZATION
IDENTIFIERS - *PLOWS; PLOWING

ABSTRACT - DEVELOPED BY CURRICULUM SPECIALISTS WORKING WITH ENGINEERS, THIS MANUAL IS INTENDED TO ASSIST HIGH SCHOOL AND ADULT STUDENTS OF VOCATIONAL AGRICULTURE IN BECOMING BETTER PLOWMEN. IT DESCRIBES THE VARIOUS TYPES OF PLOWS, THE FUNCTION AND DESIGN OF PLOW PARTS, AND PROVIDES SUGGESTIONS FOR OPERATION, MAINTENANCE, AND REPAIR OF PLOWS. TEXTUAL INFORMATION IS ARRANGED UNDER HEADINGS OF: (1) PLOWS AND PLOWING, (2) DESIGN OF THE PLOW BOTTOM, (3) MAINTENANCE OF THE MOLDBOARD PLOW, (4) FORCES ACTING UPON THE MOLDBOARD PLOW, (5) HITCHING THE MOLDBOARD PLOW, (6) PRINCIPLES OF HITCHING THE TRACTOR, (7) HITCHING THE DRAWN (PULL TYPE) PLOW, (8) HITCHING THE INTEGRAL-MOUNTED AND SEMI-INTEGRAL MOUNTED PLOWS, (9) ADJUSTING ATTACHMENTS FOR EFFICIENT OPERATION, AND (10) FIELD ADJUSTING THE PLOW. STUDENTS SHOULD BE INTERESTED IN FARMING OR AGRICULTURAL MACHINERY OCCUPATIONS AND TEACHERS SHOULD BE COMPETENT IN PRODUCTION AGRICULTURE OR AGRICULTURAL MECHANICS. IN ADDITION TO THIS MANUAL, PLOWS AND OPERATORS MANUALS SHOULD BE AVAILABLE FOR PRACTICAL APPLICATION OF THE INFORMATION. (DM)

VT 009 568
OLIVER, CRAIG S.
LANDSCAPING THE HOME GROUNDS.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
AGDEX 272
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210 (SLIDE
SERIES AND SCRIPT, $21.00).
PUB DATE - 69 46P.

DESCRIPTORS - *LANDSCAPING; *VOCATIONAL AGRICULTURE; *SLIDES; *SCRIPTS; SECONDARY GRADES; DESIGN; SITE ANALYSIS; FAMILY ENVIRONMENT; *ORNAMENTAL HORTICULTURE OCCUPATION

ABSTRACT - THIS SLIDE SERIES AND COMPANION SCRIPT WAS DEVELOPED TO ASSIST STUDENTS IN UNDERSTANDING THE BASIC ELEMENTS OF LANDSCAPE DESIGN. THE ENTIRE SERIES CONTAINS 130 COLOR SLIDES AND IS DIVIDED INTO FOUR PARTS: (1) INTRODUCTION TO DESIGN, 24 SLIDES, (2) SITE ANALYSIS, 26 SLIDES, (3) THE PUBLIC AREA, 40 SLIDES, AND (4) THE PRIVATE AREA, 40 SLIDES. THE SCRIPT CONTAINS BRIEF INTRODUCTORY AND CONCLUDING REMARKS FOR EACH OF THE FOUR SECTIONS. A SITE ANALYSIS CHECK SHEET SUITABLE FOR REPRODUCTION IS INCLUDED AT THE CLOSE OF PART 2. THE CONTENT IS CLOSELY CORRELATED WITH THE TEACHING GUIDE, "LANDSCAPING YOUR HOME" (ED 017 675, RIE AUGUST 1968; VT 002 932, AIM SUMMER 1968). TEACHERS SHOULD BE COMPETENT IN VOCATIONAL HORTICULTURE AND THE HIGH SCHOOL STUDENTS SHOULD HAVE AN OCCUPATIONAL INTEREST IN LANDSCAPING. THE MATERIAL MAY BE USED IN THE MIDWEST UNITED STATES FOR TEACHER OR INDIVIDUAL STUDENT STUDY. (DM)

VT 009 569
BRUNER, W.H.; VANSTAVERN, B.C.

APPRAISING MARKET HOGS FOR CARCASS MERIT.

OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
(DOCUMENT AND SLIDES, $4.75).
PUB DATE - 69 12P.

DESCRIPTORS - *SWINE; *SLIDES; *VOCATIONAL AGRICULTURE; *FARMERS; *FOOD PROCESSING OCCUPATIONS; MEAT; EVALUATION; POST SECONDARY EDUCATION; SECONDARY GRADES; ANIMAL SCIENCE; AGRICULTURAL PRODUCTION

ABSTRACT - DEVELOPED BY MEAT AND SWINE SCIENCE SPECIALISTS, THIS COLOR SLIDE SERIES AND COMPANION SCRIPT WAS DESIGNED TO ASSIST HIGH SCHOOL AND ADULT VOCATIONAL AGRICULTURE STUDENTS IN LEARNING TO APPRAISE MARKET HOGS FOR CARCASS VALUE. LIVE HOGS OF THE APPROPRIATE GRADES WERE OBTAINED, PHOTOGRAPHED, AND SLAUGHTERED. THE CARCASS AND SELECTED CUTS WERE PHOTOGRAPHED AND THE CUT-OUT DATA WERE DETERMINED IN THE MEAT LABORATORY. THE 30 SLIDES MAY BE USED IN MANY WAYS: (1) COMPLETE SERIES, FOR GENERAL INFORMATION, (2) ON-HOOF SLIDES, FOR GENERAL INFORMATION, (3) CARCASS SLIDES, FOR CARCASS JUDGING, AND (4) CROSS-SECTIONAL SLIDES, FOR WHOLESALE CUT JUDGING. TEACHERS SHOULD BE COMPETENT IN PRODUCTION AGRICULTURE. AN APPROPRIATE REFERENCE FOR STUDENT STUDY IS LEAFLET 139, "APPRAISING MARKET HOGS FOR CARCASS MERIT," COOPERATIVE EXTENSION SERVICE, THE OHIO STATE UNIVERSITY, BY THE SAME AUTHORS. (DM)

VT 009 610
PLANK, HARRY; BLOSS, NORMAN
OFFICE PROCEDURES USED IN THE AGRICULTURAL SERVICES.

OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($1.25).
PUB DATE - 69 89P.

DESCRIPTORS - *AGRICULTURAL SUPPLY OCCUPATIONS; *VOCATIONAL AGRICULTURE; *ACHIEVEMENT TESTS; *WORKBOOKS; *OFFICE MANAGEMENT; GRADE 11; GRADE 12; ANSWER KEYS; SUPPLEMENTARY TEXTBOOKS; BUSINESS EDUCATION; INDIVIDUALIZED INSTRUCTION

ABSTRACT - THIS MANUAL IS DESIGNED FOR USE BY STUDENTS WORKING AS OFFICE CLERKS IN AGRICULTURAL BUSINESSES. THE RECORD-KEEPING PROCEDURES OUTLINED HAVE BEEN VERIFIED BY USE. RECORDS ARE IMPORTANT FOR FINANCIAL PURPOSES, TAX RECORDS, AND MANAGEMENT DECISION. THE FOLLOWING ACTIVITIES ARE COVERED: (1) SALES TICKETS, (2) ACCOUNTS RECEIVABLE RECORDS, (3) PURCHASE ORDERS, (4) PERPETUAL INVENTORY, (5) SALES TAX, (6) DISCOUNTS, (7) DAILY CASH BALANCE, (8) MONTHLY BANK BALANCE, AND (9) GRAIN ACCOUNTS. A 1-MONTH PROBLEM PROVIDES A LISTING OF THE DAILY BUSINESS TRANSACTIONS FOR WHICH THE STUDENT SHOULD COMPLETE ALL THE NECESSARY BOOKKEEPING ENTRIES FOR THE ENTIRE MONTH. NECESSARY BUSINESS FORMS ARE APPENDED. A TEST AND ANSWER SUPPLEMENT IS AVAILABLE FOR $2 WHICH CONTAINS THE QUIZZES AND ANSWERS TO THE STUDENT WORKBOOK PROBLEMS. THIS 1-SEMESTER COURSE SHOULD BE USED WITH STUDENTS INTERESTED IN AN OCCUPATION IN FEED AND GRAIN AND RELATED BUSINESSES. THIS IS A REVISION OF AN EARLIER DOCUMENT ANNOUNCED AS ED 012 783 (RIE JANUARY 1968) AND VT 001 879 (AIM SPRING 1968). (DM)

VT 009 619
COURSON, R.L.; FOSLER, G.M.
BUYING BEDDING PLANTS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS5010
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.25).
PUB DATE - 69 21P.

DESCRIPTORS - *FLORICULTURE; *LANDSCAPING; *VOCATIONAL AGRICULTURE; *SUPPLEMENTARY TEXTBOOKS; *GROUNDS KEEPERS; ORNAMENTAL HORTICULTURE OCCUPATION; SECONDARY GRADES; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS STUDY TEXT AND REFERENCE WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, STATE SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS AND DEVELOPED UNDER INDIVIDUAL AUTHORSHIP WITH THE APPROVAL OF THE SUBJECT-MATTER DEPARTMENT. THE CONTENT INCLUDES SECTIONS OF: SHOULD I BUY PLANTS OR GROW MY OWN FROM SEED, WHAT VARIETIES SHOULD I SELECT, AND HOW SHOULD I CARE FOR BEDDING PLANTS. INFORMATION ON 42 GARDEN ANNUALS FOR USE IN HOME PLANTING IS PRESENTED IN TABLE FORM. TEACHERS USING THIS MATERIAL SHOULD BE COMPETENT IN GENERAL AGRICULTURE AND STUDENTS SHOULD HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE MATERIAL CAN BE COVERED IN 2 TO 6 HOURS. DIRECTIONS FOR GERMINATING SEEDS AND A LIST OF SUGGESTED VARIETIES ARE APPENDED. (DM)

VT 009 620
HERBST, J.H.
APPLYING FOR A JOB.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS6001
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - 69 13P.

DESCRIPTORS - *JOB APPLICATION; *EMPLOYMENT INTERVIEWS; *EMPLOYMENT QUALIFICATIONS; *VOCATIONAL AGRICULTURE; *SUPPLEMENTARY TEXTBOOKS; SECONDARY GRADES; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS); BUSINESS CORRESPONDENCE; OFF FARM AGRICULTURAL OCCUPATIONS

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS, AND DEVELOPED UNDER INDIVIDUAL AUTHORSHIP, THIS HIGH SCHOOL AND POST-SECONDARY STUDENT TEXT AND REFERENCE IS FOR USE IN A 1- TO 3-HOUR UNIT. MAJOR CONTENT SECTIONS ARE: (1) HOW DO I DECIDE ON THE KIND OF JOB TO APPLY FOR, (2) TAKING A PERSONAL INVENTORY, (3) GETTING ADDITIONAL TRAINING, (4) HOW DO I FIND OUT WHAT JOBS ARE AVAILABLE, (5) WRITING A LETTER OF APPLICATION, AND (6) INTERVIEWING WITH A PROSPECTIVE EMPLOYER. INCLUDED ARE 94 QUESTIONS FREQUENTLY ASKED DURING THE EMPLOYMENT INTERVIEW AND 50 NEGATIVE FACTORS EVALUATED DURING EMPLOYMENT INTERVIEWS WHICH FREQUENTLY LEAD TO REJECTION OF THE APPLICANT. (DM)

VT 009 621
COURSON, R.L.
ARRANGING FLOWERS IN VASES AND BOWLS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS5009
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - 69 21P.SUBJECT-MATTER ADAPTED FROM A TEACHERS GUIDE TO FLOWER ARRANGEMENT, BY R.T. FOX, CORNELL UNIVERSITY, ITHACA, NEW YORK.

DESCRIPTORS - *FLORICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *VOCATIONAL AGRICULTURE; *SUPPLEMENTARY TEXTBOOKS; SECONDARY GRADES; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - *FLOWER ARRANGEMENT

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, STATE SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS AND DEVELOPED UNDER INDIVIDUAL AUTHORSHIP WITH THE APPROVAL OF THE SUBJECT-MATTER DEPARTMENT, THIS HIGH SCHOOL, POST-HIGH SCHOOL, AND ADULT REFERENCE IS FOR USE BY TEACHERS COMPETENT IN GENERAL AGRICULTURE WITH STUDENTS HAVING AGRICULTURAL INTERESTS AND OCCUPATIONAL OBJECTIVES. THE CONTENT INCLUDES SECTIONS ON: (1) WHAT FACTORS SHOULD I CONSIDER IN SELECTING PLANT MATERIAL, (2) WHAT TOOLS AND MATERIALS WILL I NEED FOR ARRANGING FLOWERS, (3) WHAT CONTAINERS SHOULD I USE, (4) HOW SHOULD I PREPARE FOR ARRANGEMENT, AND (5) HOW DO I DESIGN A FLOWER ARRANGEMENT. THE SUBJECT MATTER WAS ADAPTED FROM "A TEACHERS GUIDE TO FLOWER ARRANGEMENT," BY R.T. FOX, CORNELL UNIVERSITY, ITHACA, NEW YORK. ILLUSTRATIONS WERE ADAPTED FROM "FLOWER ARRANGEMENT," HE-P67, BY D.J. IWIG, M.A. MCKEE AND M.A. KIESER, UNIVERSITY OF ILLINOIS. THE SUGGESTED TIME ALLOTMENT FOR UTILIZATION OF THIS REFERENCE IS 2 TO 6 HOURS. (DM)

VT 009 625
COORDINATING EXPERIENCE PROGRAMS IN AGRICULTURAL EDUCATION. PUBLICATION 552.

MICHIGAN STATE DEPT. OF EDUCATION, LANSING
PUB DATE - 69 29P.

DESCRIPTORS - *COOPERATIVE EDUCATION; *VOCATIONAL AGRICULTURE; *PROGRAM GUIDES; *OFF FARM AGRICULTURAL OCCUPATIONS; STATE STANDARDS; INSTRUCTOR COORDINATORS; PROGRAM DEVELOPMENT; SECONDARY GRADES
IDENTIFIERS - MICHIGAN

ABSTRACT - THE PURPOSE OF THIS BULLETIN IS TO AID TEACHERS OF AGRICULTURE, SCHOOL ADMINISTRATORS, AND OTHERS WITH SOME OF THE FUNDAMENTAL CONCEPTS OF PLANNING AND CONDUCTING A COOPERATIVE EXPERIENCE PROGRAM IN AGRICULTURE. PRIMARY EMPHASIS IS GIVEN TO THE PROCEDURES WHICH A TEACHER OR COORDINATOR SHOULD FOLLOW IN ESTABLISHING A PROGRAM. THE MAJOR CONTENT INCLUDES SECTIONS ON: (1) WHAT IS AGRICULTURAL OCCUPATIONAL EXPERIENCE, (2) OBJECTIVES OF OFF-FARM OCCUPATIONAL EXPERIENCES, (3) RESPONSIBILITY OF AGRICULTURAL TEACHER, (4) TECHNIQUES OF COORDINATING AN AGRICULTURAL OCCUPATIONAL EXPERIENCE PROGRAM, (5) RELATED INSTRUCTION, (6) MINIMUM STANDARDS FOR AGRICULTURAL EXPERIENCE, AND (7) EVALUATION OF AGRICULTURAL OCCUPATIONAL EXPERIENCE PROGRAM. FORMS FOR THE INSTRUCTOR-COORDINATOR TO USE IN SUPERVISING A PROGRAM ARE APPENDED. THE BIBLIOGRAPHY LISTS NINE REFERENCES FOR TEACHER USE IN PROGRAM DEVELOPMENT. (DM)

VT 009 629
WITT, W.H.
JUDGING BEEF CATTLE, SWINE, AND SHEEP.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - 69 21P.PUBLICATION TAKEN PRIMARILY FROM OKLA. EXT. CIR. 709, "LIVESTOCK JUDGING GUIDE" BY TAGGART, TOTUSEK, AND MCCROSKEY.

DESCRIPTORS - *SELECTION; *LIVESTOCK; *ANIMAL SCIENCE; *VOCATIONAL AGRICULTURE; *SUPPLEMENTARY TEXTBOOKS; AGRICULTURAL OCCUPATIONS; CATTLE; SWINE; SHEEP; UNITS OF STUDY (SUBJECT FIELDS); SECONDARY GRADES; POST SECONDARY EDUCATION

ABSTRACT - THIS HIGH SCHOOL AND POST HIGH SCHOOL STUDENT TEXT AND REFERENCE WAS ADAPTED FROM OKLAHOMA EXTENSION CIRCULAR 709, "LIVESTOCK JUDGING GUIDE," BY TAGGART, TOTUSEK, AND MCCROSKEY. IT CONTAINS SECTIONS ON: (1) JUDGING BEEF CATTLE, (2) JUDGING SHEEP, (3) JUDGING HOGS, AND (4) GIVING REASONS. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE FOR THIS 2- OR 3-HOUR UNIT AND STUDENTS SHOULD HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. LINE DRAWINGS ILLUSTRATE THE TEXT. (DM)

VT 009 630
WITT, W.H.
JUDGING DAIRY CATTLE.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD

HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.20).
PUB DATE - 69 16P.

DESCRIPTORS - *SELECTION; *CATTLE; *VOCATIONAL AGRICULTURE; *DAIRYMEN; *SUPPLEMENTARY TEXTBOOKS; LIVESTOCK; ANIMAL SCIENCE; AGRICULTURAL OCCUPATIONS; POST SECONDARY EDUCATION; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS HIGH SCHOOL AND POST-SECONDARY STUDENT TEXT AND REFERENCE WAS DEVELOPED UNDER INDIVIDUAL AUTHORSHIP FOR USE BY TEACHERS COMPETENT IN GENERAL AGRICULTURE WITH STUDENTS HAVING AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVE. THE 2- OR 3-HOUR UNIT WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, STATE SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS. THE CONTENT INCLUDES: (1) JUDGING DAIRY CATTLE, (2) USING THE DAIRY COW SCORE CARD, (3) HAVE AN ORDERLY JUDGING SYSTEM, (4) JUDGING COWS ON TYPE AND PRODUCTION, (5) JUDGING HEIFERS ON TYPE, (6) JUDGING OF DAIRY BULLS ON TYPE, (7) MARKING THE CARD, AND (8) TAKING NOTES AND GIVING REASONS. THE DOCUMENT IS ILLUSTRATED WITH LINE DRAWINGS AND TABLES. (DM)

VT 009 634
SCHUMACHER, K.N.; COURSON, R.L.
ESTABLISHING A LAWN.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS5008
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.10).
PUB DATE - 69 9P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *TURF MANAGEMENT; *GROUNDS KEEPERS; *LANDSCAPING; SECONDARY GRADES; POST SECONDARY EDUCATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS STUDY TEXT AND REFERENCE WAS DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, STATE SUPERVISORS, AND AN ADVISORY COMMITTEE OF TEACHERS AND DEVELOPED UNDER INDIVIDUAL AUTHORSHIP WITH APPROVAL OF THE SUBJECT MATTER DEPARTMENT. IT MAY BE USED AS A 1- OR 2-HOUR UNIT WITH HIGH SCHOOL OR POST HIGH SCHOOL STUDENTS WITH AN AGRICULTURAL INTEREST AND AN OCCUPATIONAL OBJECTIVE. THE CONTENT INCLUDES SECTIONS ON: (1) HOW SHOULD I PREPARE THE SOIL, (2) WHAT GRASSES SHOULD I CONSIDER, (3) WHAT SEEDING PRACTICES SHOULD I FOLLOW, (4) HOW SHOULD I CARE FOR THE NEW LAWN, AND (5) HOW SHOULD I ESTABLISH A LAWN WITH SOD. TEACHERS SHOULD BE COMPETENT IN GENERAL AGRICULTURE. (DM)

VT 009 660
WITT, W.H.
A GUIDE TO PARLIAMENTARY PRACTICES (REVISED).

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.35).
PUB DATE - 69 51P.

DESCRIPTORS - *STUDY GUIDES; *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *LEADERSHIP TRAINING; *PARLIAMENTARY LAW

ABSTRACT - DESIGNED BY SUBJECT MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS AND AN ADVISORY COMMITTEE OF TEACHERS, THIS STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL, POST-HIGH SCHOOL, AND ADULT CLASSES OF AGRICULTURE. IT IS A CONDENSED VERSION OF PARLIAMENTARY PROCEDURE CONTAINING RULES AND EXAMPLES FOR OBTAINING AND ASSIGNING THE FLOOR, PRESENTING AND VOTING ON MOTIONS, AND KINDS OF MOTIONS. TABLES PRESENT PARLIAMENTARY PROCEDURE LADDERS, OBJECT AND EFFECT OF MOTIONS, AND THE RULES AT A GLANCE. A COPY OF "ROBERTS RULES OF ORDER, REVISED" OR SOME OTHER AUTHORITATIVE PARLIAMENTARY PROCEDURE BOOK SHOULD BE AVAILABLE IN THE MEETING ROOM DURING THE INSTRUCTIONAL PERIOD. THE RECOMMENDED TIME ALLOTMENT IS 4 HOURS. (DM)

VT 009 665
SELECTED REFERENCE BOOKS FOR DEPARTMENTS OF VOCATIONAL AGRICULTURE. SERVICE BULL. NO. 10.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL
EDUCATION
PUB DATE - JAN69 20P.

DESCRIPTORS - *BIBLIOGRAPHIES; *VOCATIONAL AGRICULTURE; *REFERENCE BOOKS; SECONDARY GRADES

ABSTRACT - THIS LIST IS INTENDED TO SERVE AS A GUIDE FOR TEACHERS AND ADMINISTRATORS IN SELECTING REFERENCE BOOKS FOR DEPARTMENTS OF VOCATIONAL AGRICULTURE IN ARIZONA. ASTERISKS PRECEDE REFERENCES THAT ARE RATED AS USEFUL IN EVERY DEPARTMENT LIBRARY IN THE STATE. THE BIBLIOGRAPHIC CITATIONS ARE KEYED TO A LIST OF PUBLISHERS AND DISTRIBUTORS IN THE FRONT OF THE BOOK. REFERENCES ARE LISTED FOR THE FOLLOWING MAJOR TOPICS WITH SUBTOPICS FOR MOST: (1) AGRICULTURAL ECONOMICS, (2) AGRONOMY AND SOILS, (3) ANIMAL SCIENCE, (4) AGRICULTURAL MECHANIZATION, (5) FUTURE FARMERS OF AMERICA, (6) GENERAL AGRICULTURAL AND RELATED SUBJECTS, (7) GUIDANCE AND VOCATIONS, (8) HORTICULTURE, (9) INSECTS AND PLANT DISEASES, (10) PROFESSIONAL, AND (11) SUPERVISED FARMING PROGRAMS. THIS IS A REVISION OF SERVICE BULLETIN NO. 4. ANNOUNCED AS VT 000 350 (AIM FALL 1967). (DM)

VT 009 666
SELECTED BULLETINS FOR DEPARTMENTS OF VOCATIONAL AGRICULTURE. SERVICE BULL. NO. 11.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL
EDUCATION
PUB DATE - FEB69 30P.

DESCRIPTORS - *BIBLIOGRAPHIES; *VOCATIONAL AGRICULTURE; *BULLETINS; *INSTRUCTIONAL MATERIALS; SECONDARY GRADES

ABSTRACT - THIS PUBLICATION IS FOR USE BY TEACHERS IN SELECTING REFERENCE BULLETINS FOR

DEPARTMENTS OF VOCATIONAL AGRICULTURE IN ARIZONA. IT LISTS U.S. GOVERNMENT PUBLICATIONS AND STATE AGRICULTURAL EXPERIMENT STATION AND EXTENSION BULLETINS AND CIRCULARS. BULLETINS RECOMMENDED BY THE AUTHOR FOR EVERY DEPARTMENT LIBRARY IN ARIZONA IN SUFFICIENT QUANTITIES FOR STUDENT USE ARE PRECEDED BY AN ASTERISK. THE BIBLIOGRAPHIC CITATIONS ARE KEYED TO A SOURCE LIST IN THE FRONT OF THE DOCUMENT. THE BULLETIN LISTING IS CLASSIFIED ACCORDING TO THE FILING SYSTEM FOR ARIZONA DEPARTMENTS OF VOCATIONAL AGRICULTURE. (DM)

VT 009 668
SUGGESTED COURSE GUIDE FOR AGRICULTURAL MACHINERY OPERATION AND IRRIGATION.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - JUN69 24P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY OCCUPATIONS; *LOW ABILITY STUDENTS; AGRICULTURAL MACHINERY; AGRICULTURAL OCCUPATIONS; TRACTORS; GRADE 10; IRRIGATION

ABSTRACT - THE PURPOSE OF THIS COURSE GUIDE IS TO AID VOCATIONAL AGRICULTURAL TEACHERS AND ADMINISTRATORS IN PLANNING COURSES DESIGNED TO TRAIN 10TH GRADE BOYS WHO ARE LOW ACADEMIC ACHIEVERS IN THE COMPETENCIES NEEDED FOR ENTRY AND CONTINUED EMPLOYMENT AS AGRICULTURAL MACHINERY OPERATORS, IRRIGATORS, OR GENERAL FARM HANDS. DEVELOPED BY A CURRICULUM SPECIALIST, THE GUIDE PROVIDES DETAILED INFORMATION ON IMPLEMENTING THE COURSE, INCLUDING SUGGESTIONS FOR STUDENT SELECTION, METHODS OF INSTRUCTION, FACILITIES, TEACHER QUALIFICATIONS, AND STUDENT CERTIFICATION. THE MAJOR PORTION OF THE GUIDE IS COMPRISED OF OUTLINES LISTING OBJECTIVES, COMPETENCIES TO BE DEVELOPED, AND SUGGESTED TEACHING AND LEARNING ACTIVITIES FOR THE SUBJECT AREAS OF: (1) TRACTOR OPERATION, (2) MACHINERY OPERATION, (3) BASIC SHOP SKILLS, (4) PLANT SCIENCE, (5) IRRIGATION, (6) RECORD KEEPING, AND (7) PERSONAL DEVELOPMENT. SUGGESTIONS FOR EVALUATING THE COURSE AND A BIBLIOGRAPHY ALSO ARE GIVEN. THE 540-HOUR COURSE SHOULD BE TAUGHT BY A SPECIALIST IN MECHANIZATION WHO HAS HAD EXPERIENCE WITH STUDENTS WITH SPECIAL NEEDS. (AW)

VT 009 669
HOOVER, NORMAN K., AND OTHERS
PLANNING FOR A CAREER IN AGRICULTURE; A STUDENT RESOURCE UNIT. TEACHER EDUCATION RESEARCH SERIES, V8 N2 1967.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. AGRICULTURAL EDUCATION SECTION
DEPARTMENT OF AGRICULTURAL EDUCATION, PENNSYLVANIA STATE UNIVERSITY, 101 AGRICULTURAL EDUCATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.50).
PUB DATE - 67 160P.

DESCRIPTORS - *RESOURCE MATERIALS; RESOURCE UNITS; *AGRICULTURAL OCCUPATIONS; *CAREER CHOICE; *OCCUPATIONAL CHOICE; GRADE 9; OCCUPATIONAL INFORMATION; *VOCATIONAL AGRICULTURE; GRADE 10

ABSTRACT - DEVELOPED BY AGRICULTURE TEACHERS AND FIELD TESTED WITH APPROXIMATELY 700 STUDENTS, THIS RESOURCE MANUAL IS DESIGNED TO AID EIGHTH, NINTH, AND 10TH GRADE STUDENTS IN MAKING OCCUPATIONAL CHOICES IN THE FIELD OF AGRICULTURE. CONTENTS ARE DIVIDED INTO THREE PARTS, WITH THE FIRST, PROBLEM AREAS, COVERING: (1) THE IMPORTANCE OF CHOOSING A CAREER, (2) YOUR PERSONAL QUALITIES FOR THE WORLD OF WORK, (3) OCCUPATIONAL REQUIREMENTS, AND SOURCES OF INFORMATION, (4) THE AGRICULTURAL WORLD OF WORK, AND (5) CHOOSING A CAREER IN AGRICULTURE. PART II PROVIDES SELECTED AGRICULTURAL OCCUPATION BRIEFS ON VARIOUS AGRICULTURAL OCCUPATIONS ARRANGED UNDER THE GENERAL HEADINGS: (1) AGRICULTURAL PRODUCTION, (2) AGRICULTURAL SUPPLIES, (3) AGRICULTURAL MECHANICS, (4) AGRICULTURAL PRODUCTS, (5) ORNAMENTAL HORTICULTURE, (6) AGRICULTURAL RESOURCES, (7) FORESTRY, AND (8) OTHER AGRICULTURE. THE THIRD SECTION IDENTIFIES INDIVIDUAL OCCUPATIONAL TITLES CLASSIFIED UNDER THE GENERAL TITLES GIVEN IN PART II, AS LISTED IN THE "DICTIONARY OF OCCUPATIONAL TITLES," THIRD EDITION, 1965. THE MANUAL IS GEOGRAPHICALLY APPLICABLE TO THE NORTHEASTERN AND CENTRAL UNITED STATES, AND 20 TO 30 CLOCK HOURS SHOULD BE ALLOTED TO COVER THE MATERIAL. THE RELATED TEACHER'S GUIDE IS AVAILABLE AS VT 002 878 (AIM SPRING 1969). (AW)

VT 009 705
TWO YEAR CORE CURRICULUM FOR AGRICULTURAL EDUCATION IN ARIZONA. SERVICE BULL. NO. 12.

ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SERVICE
ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
PUB DATE - AUG69 54P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; ANIMAL SCIENCE; PLANT SCIENCE; AGRICULTURAL ENGINEERING; FARM MANAGEMENT; LEADERSHIP TRAINING; SUPERVISED FARM PRACTICE; OCCUPATIONAL INFORMATION; COURSE CONTENT; *GRADE 9; *GRADE 10; CAREER PLANNING

ABSTRACT - THIS MIMEOGRAPHED CURRICULUM GUIDE WAS DEVELOPED BY A STATE CURRICULUM PLANNING COMMITTEE FOR USE BY AGRICULTURE TEACHERS, SCHOOL ADMINISTRATORS, AND ADVISORY COMMITTEES IN PLANNING LOCAL PROGRAMS IN VOCATIONAL AGRICULTURE FOR GRADES 9 AND 10. BRIEF DESCRIPTIVE AND EXPLANATORY INFORMATION ON THE DESIGN OF THE 2-YEAR SUGGESTED CORE PROGRAM IS FOLLOWED BY EIGHT UNITS, COVERING: (1) ANIMAL SCIENCE, INCLUDING LIVESTOCK SELECTION, HEALTH, FEEDING, AND MANAGEMENT, (2) PLANT SCIENCE, INCLUDING GROWTH AND DEVELOPMENT, DISEASES, INSECTS, WEEDS, AND PRODUCTION, (3) SOIL SCIENCE, (4) AGRICULTURAL MECHANIZATION, DEALING WITH MACHINERY, POWER, CONSTRUCTION, AND MAINTENANCE, (5) AGRICULTURAL BUSINESS MANAGEMENT, INCLUDING RECORDKEEPING, MARKETING, AND PROFIT-MAKING, (6) LEADERSHIP DEVELOPMENT, CONCERNED WITH FUTURE FARMERS OF AMERICA, (7) OCCUPATIONAL EXPERIENCE, RELATING TO SUPERVISED PRACTICE PROGRAMS, AND (8) GUIDANCE-CAREER OPPORTUNITIES, EXPLORING AND PLANNING FOR AGRICULTURAL OCCUPATIONS. EACH UNIT PROVIDES, IN OUTLINE FORM, CONCEPTS TO BE TAUGHT AND SUGGESTED CONTENT TO BE COVERED. (AW)

VT 009 712
AGRICULTURAL BUSINESS; A CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION.

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND.
AGRICULTURAL EDUCATION SERVICE
VIRGINIA POLYTECHNIC INST., BLACKSBURG.
AGRICULTURAL EDUCATION
VIRGINIA STATE COLL., PETERSBURG.
AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION SERVICE, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA 23216 ($.50).
PUB DATE - 69 34P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLIES; *AGRICULTURAL SUPPLY OCCUPATIONS; OFF FARM AGRICULTURAL OCCUPATIONS; COOPERATIVE EDUCATION; BIBLIOGRAPHIES; FACILITY GUIDELINES; GRADE 11; GRADE 12

ABSTRACT - DESIGNED AS A 2-YEAR COURSE FOLLOWING AGRICULTURAL SCIENCE AND MECHANICS I AND II (VT 009 773, ALSO IN THIS ISSUE), THIS CURRICULUM GUIDE WAS DEVELOPED BY STATE STAFF, REVIEWED BY TEACHERS AND PROFESSIONAL INDUSTRY REPRESENTATIVES, TESTED THROUGH DEVELOPMENTAL PROGRAMS, AND REFINED AND APPROVED BY A CURRICULUM COMMITTEE OF THE STATE BOARD OF EDUCATION. TEACHERS AND SCHOOL ADMINISTRATORS SHOULD USE THIS OUTLINE IN DEVELOPING RELATED INSTRUCTION FOR AN OCCUPATIONAL PROGRAM IN AGRICULTURAL SUPPLIES AND SERVICES. STUDENTS SHOULD RECIEVE A MINIMUM OF 160 HOURS OF CLASS INSTRUCTION PER YEAR AND A MINIMUM OF 450 HOURS PER CALENDAR YEAR AT THE AGRICULTURAL BUSINESS TRAINING STATION. IN ADDITION TO THE COURSE OUTLINES SUGGESTED, CURRICULUM REFERENCES AND INSTRUCTIONAL AIDS ARE APPENDED. (DM)

VT 009 713
ORNAMENTAL HORTICULTURE; A CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION.

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND.
AGRICULTURAL EDUCATION SERVICE
VIRGINIA POLYTECHNIC INST., BLACKSBURG.
AGRICULTURAL EDUCATION
VIRGINIA STATE COLL., PETERSBURG.
AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION SERVICE, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA 23216 ($.50).
PUB DATE - 69 50P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; GREENHOUSES; BIBLIOGRAPHIES; FACILITY GUIDELINES; GRADE 11; GRADE 12; PLANT SCIENCE

ABSTRACT - THE PRIMARY PURPOSE OF THIS COURSE IS TO PREPARE HIGH SCHOOL STUDENTS IN THE SKILLS AND ATTITUDES REQUIRED FOR EMPLOYMENT IN THE FIELD OF ORNAMENTAL HORTICULTURE AND RELATED OCCUPATIONS AND TO ASSIST STUDENTS IN SECURING EMPLOYMENT AND ADVANCEMENT. IT WAS DEVELOPED BY A STATE STAFF, REVIEWED BY TEACHERS AND PROFESSIONAL INDUSTRY REPRESENTATIVES, TESTED THROUGH DEVELOPMENTAL PROGRAMS, AND REFINED AND APPROVED BY A CURRICULUM COMMITTEE OF THE STATE BOARD OF EDUCATION. THE OUTLINE COVERS 800 TO 900 HOURS OF IN-SCHOOL INSTRUCTION FOLLOWING AGRICULTURAL SCIENCE AND MECHANICS I AND II (VT 009 733, ALSO IN THIS ISSUE). STUDENTS SHOULD PLAN OCCUPATIONAL EXPERIENCE IN THE GREENHOUSE, LATHE HOUSE, HOME PLOT, SCHOOL PLOT OR NEARBY ORNAMENTAL HORTICULTURE BUSINESS. LOCAL ADVISORY GROUPS SHOULD BE CONSULTED RELATIVE TO TRAINING EMPHASIS GIVEN TO VARIOUS ASPECTS OF THE COURSE. SUGGESTED INSTRUCTIONAL MATERIALS, REFERENCES, AND FACILITY RECOMMENDATIONS ARE APPENDED. RELATED GUIDES ARE VT 009 712-VT 009 716, ALSO IN THIS ISSUE. (DM)

VT 009 714
A PLANNING GUIDE FOR AGRICULTURAL EDUCATION PROGRAMS IN VIRGINIA'S PUBLIC SCHOOLS.

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND.
AGRICULTURAL EDUCATION SERVICE
VIRGINIA POLYTECHNIC INST., BLACKSBURG.
AGRICULTURAL EDUCATION
VIRGINIA STATE COLL., PETERSBURG.
AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION SERVICE, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA 23216 ($.50).
PUB DATE - 69 42P.

DESCRIPTORS - *PROGRAM GUIDES; *AGRICULTURAL EDUCATION; *STATE STANDARDS; *STATE CURRICULUM GUIDES; *AGRICULTURAL OCCUPATIONS; SECONDARY GRADES; YOUNG FARMER EDUCATION; ADULT FARMER EDUCATION; DISADVANTAGED YOUTH

ABSTRACT - THIS PUBLICATION IS DESIGNED TO SET FORTH IN CONDENSED FORM THE CURRICULUMS FOR A COMPLETE PROGRAM OF AGRICULTURAL EDUCATION AND TO SERVE AS A GUIDE FOR TEACHERS, COUNSELORS, AND SCHOOL ADMINISTRATORS IN DEVELOPING INSTRUCTION. THE PROGRAM OF AGRICULTURAL EDUCATION PROVIDES FOR 2 YEARS OF INSTRUCTION IN BASIC AGRICULTURAL SCIENCE AND MECHANICS. THESE COURSES ARE FOLLOWED BY APPROPRIATE OPTIONAL COURSES SUCH AS AGRICULTURAL PRODUCTION, AGRICULTURAL MACHINERY SERVICE, AGRICULTURAL BUSINESS, AGRICULTURAL PROCESS AND MARKETING, ORNAMENTAL HORTICULTURE, AND CONSERVATION AND FORESTRY. IN ADDITION, PROGRAMS DESIGNED FOR PERSONS WITH SPECIAL NEEDS AND ADULTS ARE OFFERED. MORE SPECIFIC CURRICULUM OUTLINES ARE PROVIDED IN VT 009 712-VT 009 716 AND VT 009 773, ALL IN THIS ISSUE. (DM)

VT 009 715
AGRICULTURAL PRODUCTION; A CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION.

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND.

AGRICULTURAL EDUCATION SERVICE
VIRGINIA POLYTECHNIC INST., BLACKSBURG.
AGRICULTURAL EDUCATION
VIRGINIA STATE COLL., PETERSBURG.
AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION SERVICE, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA 23216 ($.50).
PUB DATE - 69 18P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *FARMERS; GRADE 11; GRADE 12

ABSTRACT - DEVELOPED BY STATE STAFF PERSONNEL, REVIEWED BY TEACHERS AND PROFESSIONAL INDUSTRY REPRESENTATIVES, TESTED THROUGH DEVELOPMENTAL PROGRAMS, AND REFINED AND APPROVED BY A CURRICULUM COMMITTEE OF THE STATE BOARD OF EDUCATION, THIS CURRICULUM GUIDE IS FOR USE BY TEACHERS, COUNSELORS AND SCHOOL ADMINISTRATORS IN COURSE ORGANIZATION AND PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE. THIS PROGRAM IS DESIGNED TO COVER 2 OR 3 YEARS, DEPENDING UPON COMPLETION OF AGRICULTURAL SCIENCE AND MECHANICS I AND II (VT 009 773, ALSO IN THIS ISSUE). COURSE OUTLINES ARE INCLUDED TO COVER 400 TO 600 HOURS OF IN-SCHOOL INSTRUCTION. STUDENTS SHOULD HAVE AN OCCUPATIONAL INTEREST IN AGRICULTURAL PRODUCTION. THIS GUIDE SHOULD BE USED IN CONJUNCTION WITH VIRGINIA POLYTECHNIC INSTITUTE AGRICULTURE BULLETIN NO. 17, "TEACHING UNITS FOR VOCATIONAL AGRICULTURE IN VIRGINIA," 1962, REVISED. (DM)

VT 009 716
AGRICULTURAL MACHINERY SERVICE; A CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION.

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND.
AGRICULTURAL EDUCATION SERVICE
VIRGINIA POLYTECHNIC INST., BLACKSBURG.
AGRICULTURAL EDUCATION
VIRGINIA STATE COLL., PETERSBURG.
AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION SERVICE, STATE DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA 23216 ($.50).
PUB DATE - 69 46P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL ENGINEERING; BIBLIOGRAPHIES; FACILITY GUIDELINES; GRADE 11; GRADE 12

ABSTRACT - DEVELOPED BY STATE STAFF PERSONNEL, REVIEWED BY TEACHERS AND PROFESSIONAL INDUSTRY REPRESENTATIVES, TESTED THROUGH DEVELOPMENTAL PROGRAMS, AND REFINED AND APPROVED BY A CURRICULUM COMMITTEE OF THE STATE BOARD OF EDUCATION, THIS HIGH SCHOOL VOCATIONAL AGRICULTURE CURRICULUM GUIDE IS FOR USE BY TEACHERS, COUNSELORS, AND SCHOOL ADMINISTRATORS IN COURSE PLANNING. IT IS DESIGNED TO DEVELOP COMPETENCIES NEEDED FOR EMPLOYMENT IN ENTRY POSITIONS AND ADVANCEMENT IN AGRICULTURAL MACHINERY AND EQUIPMENT OPERATION, AND FOR SERVICE IN BUSINESSES AND ON FARMS. THE CONTENT INCLUDES A COURSE OUTLINE, A REFERENCE LIST, AND TIME ESTIMATES FOR EACH OF THREE COURSES. THISGUIDE SHOULD BE USED IN CONJUNCTION WITH A SET OF INSTRUCTIONAL MODULES ON AGRICULTURAL MACHINERY AND SERVICE OCCUPATIONS, PREPARED BY THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION, THE OHIO STATE UNIVERSITY, (ED 012 761-ED 012 777 OR VT 000 488-VT 000 504, ALL IN AIM FALL 1967). THE COURSE IS DESIGNED FOR 800 TO 900 HOURS OF IN-SCHOOL INSTRUCTION IN 100-MINUTE CLASS PERIODS. AGRICULTURAL SCIENCE AND MECHANICS I AND II (VT 009 773, ALSO IN THIS ISSUE) ARE PREREQUISITES FOR STUDENTS ENROLLED IN THE AGRICULTURAL MACHINERY SERVICE CURRICULUM. SUGGESTED INSTRUCTIONAL MATERIALS, REFERENCES, FACILITIES, AND EQUIPMENT ARE APPENDED. (DM)

VT 009 772
GADDA, HILDING W.
GUIDE FOR SUPERVISED OCCUPATIONAL EXPERIENCE IN AGRICULTURE; FOR USE WITH THE SOUTH DAKOTA SUPERVISED FARMING RECORD BOOK.

SOUTH DAKOTA STATE UNIV., BROOKINGS.
AGRICULTURAL EDUCATION
SOUTH DAKOTA STATE DEPT. OF EDUCATION, PIERRE. DIV. OF VOCATIONAL-TECHNICAL EDUCATION
AGRICULTURAL EDUCATION, SOUTH DAKOTA STATE UNIVERSITY, BROOKINGS, SOUTH DAKOTA 57006 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - AUG68 42P.REVISION OF THE GUIDE FOR SUPERVISED FARMING IN SOUTH DAKOTA, PUBLISHED 1963.

DESCRIPTORS - PROGRAM GUIDES; RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *SUPERVISED FARM PRACTICE; *WORK EXPERIENCE PROGRAMS; *AGRICULTURAL OCCUPATIONS; *AGRICULTURAL PRODUCTION; SECONDARY SCHOOLS

ABSTRACT - DEVELOPED BY A TEACHER EDUCATOR IN COOPERATION WITH TEACHERS, AND TESTED IN 12 SCHOOLS PRIOR TO PUBLICATION, THIS GUIDE IS FOR USE BY HIGH SCHOOL VOCATIONAL AGRICULTURE TEACHERS AND STUDENTS. PART I OF THE MANUAL COVERS: (1) THE SUPERVISED FARMING PROGRAM, PROVIDING GENERAL INFORMATION ON THE PROGRAM, AS WELL AS DEFINITIONS OF TERMS AND SUGGESTED ACTIVITIES, (2) PLANNING SUPERVISED PROGRAMS, INCLUDING INFORMATION ON PRELIMINARY PLANS, BUDGETING, STANDARDS AND APPROVED PRACTICES, AND (3) KEEPING AND USING RECORDS, WHICH DEALS WITH VARIOUS KINDS OF FARM RECORDS. PART III PROVIDES "USEFUL INFORMATION" ON POWER, FARM OPERATIONS AND EXPENDITURES, CROPS, AND LIVESTOCK. THE 10-HOUR COURSE SHOULD BE CONDUCTED BY A QUALIFIED AGRICULTURE TEACHER AND STUDENTS SHOULD BE PREPARING FOR CAREERS IN PRODUCTION AGRICULTURE. THE BOOKLET IS TO BE USED WITH THE "SOUTH DAKOTA SUPERVISED FARMING RECORD BOOK" AVAILABLE FROM AGRICULTURAL EDUCATION SERVICE, DIVISION OF VOCATIONAL-TECHNICAL EDUCATION, PIERRE, SOUTH DAKOTA. (AW)

VT 009 773
AGRICULTURAL SCIENCE AND MECHANICS I AND II; A CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION.

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND.
AGRICULTURAL EDUCATION SERVICE
VIRGINIA POLYTECHNIC INST., BLACKSBURG.

AGRICULTURAL EDUCATION
VIRGINIA STATE COLL., PETERSBURG.
AGRICULTURAL EDUCATION
AGRICULTURAL EDUCATION SERVICE, STATE
DEPARTMENT OF EDUCATION, RICHMOND, VIRGINIA
23216 ($.50).
PUB DATE - JUL69 34P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL OCCUPATIONS; GRADE 9; GRADE 10

ABSTRACT - DEVELOPED BY A STATE STAFF, REVIEWED BY TEACHERS AND PROFESSIONAL INDUSTRY REPRESENTATIVES, TESTED THROUGH DEVELOPMENTAL PROGRAMS, AND REFINED AND APPROVED BY A CURRICULUM COMMITTEE OF THE STATE BOARD OF EDUCATION, THIS CURRICULUM GUIDE IS FOR USE BY TEACHERS, COUNSELORS, AND SCHOOL ADMINISTRATORS IN COURSE ORGANIZATION AND PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE. STUDENTS SHOULD BE IN GRADE 8, 9, OR 10 FOR THIS 360 TO 540-HOUR COURSE. THE PROGRAM COVERS THE FIRST 2 YEARS IN THE AGRICULTURAL EDUCATION CURRICULUM AND IS A PREREQUISITE FOR ENTRY INTO COURSES TAUGHT IN THE THIRD, FOURTH, AND FIFTH YEARS (VT 009 712-VT 009 716, ALSO IN THIS ISSUE). APPROXIMATELY HALF OF THE COURSE IS ALLOCATED TO AGRICULTURAL MECHANICS AND IS DESIGNED TO PROVIDE THE STUDENT WITH INSTRUCTION BASIC TO OCCUPATIONS IN WHICH MECHANICAL APTITUDES, ABILITIES, AND SKILLS ARE NECESSARY. (CM)

VT 009 775
UREA, A PROTEIN EXTENDER IN RATIONS FOR RUMINANTS. A REFERENCE UNIT.

MISSISSIPPI STATE UNIV., STATE COLLEGE. DEPT. OF AGRICULTURAL EDUCATION
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
MISSISSIPPI STATE UNIVERSITY, CURRICULUM COORDINATING UNIT, AGRICULTURE SECTION, P.O. DRAWER DX, STATE COLLEGE, MISSISSIPPI 39762 (ONE COPY FREE TO HEAD SUPERVISORS AND TEACHER EDUCATORS).
PUB DATE - NOV66 17P.

DESCRIPTORS - *REFERENCE MATERIALS; RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; SECONDARY GRADES; POST SECONDARY GRADES; *NUTRITION; *ANIMAL SCIENCE; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - *UREA

ABSTRACT - PREPARED BY A SUBJECT MATTER SPECIALIST, THIS REFERENCE UNIT IS FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN PRODUCTION AGRICULTURE COURSES ON THE SECONDARY OR POST-SECONDARY LEVEL. THE BOOKLET IS DESIGNED TO PROVIDE INSTRUCTIONAL MATERIAL ON UREA AND TO AID THE INSTRUCTOR IN ANSWERING QUESTIONS REGARDING THE PROPER USE OF UREA IN RUMINANT FEEDS AS A PROTEIN SUPPLEMENT. CONTENTS RELATE TO 10 PROBLEM AREAS CONCERNING UREA AND ITS USES, INCLUDING: (1) WHAT UREA IS, (2) HOW IT IS UTILIZED BY ANIMALS, (3) IN WHAT FORMS IT IS AVAILABLE, (4) BASIC PRINCIPLES AND PRECAUTIONS NECESSARY WHEN FEEDING UREA, (5) ECONOMIC IMPORTANCE OF UREA IN RUMINANT RATIONS, (6) CONCENTRATE MIXTURES FOR DAIRY COWS, (7) SUITABLE PROTEIN SUPPLEMENTS FOR BEEF CATTLE, (8) USE OF SILAGE CONTAINING UREA IN CONJUNCTION WITH CONCENTRATE-UREA MIXTURES, (9) SYMPTOMS OF UREA TOXICITY, AND (10) CAUSES OF UREA TOXICITY. THE COURSE INSTRUCTOR SHOULD HAVE A BACHELOR OF SCIENCE DEGREE IN AGRICULTURAL EDUCATION. ADDITIONAL RESOURCE MATERIALS ARE DESIRABLE WHEN STUDYING THE SUBJECT. (AW)

VT 009 777
TEACHER'S HANDBOOK: VOCATIONAL AGRICULTURE.

MISSISSIPPI STATE UNIVERSITY, CURRICULUM COORDINATING UNIT, AGRICULTURE SECTION, P.O. DRAWER DX, STATE COLLEGE, MISSISSIPPI 39762 (ONE COPY FREE TO HEAD SUPERVISORS AND TEACHER EDUCATORS).
PUB DATE - 69 105P.

DESCRIPTORS - *CURRICULUM GUIDES; *CURRICULUM PLANNING; *VOCATIONAL AGRICULTURE; TEACHING GUIDES; LESSON PLANS; *ADULT FARMER EDUCATION; *YOUNG FARMER EDUCATION

ABSTRACT - DEVELOPED BY TEACHERS, SUPERVISORS, AND TEACHER EDUCATORS, THIS HANDBOOK IS FOR USE BY MISSISSIPPI TEACHERS IN PLANNING COMPREHENSIVE YEARLY VOCATIONAL AGRICULTURE PROGRAMS ON THE SECONDARY AND ADULT LEVELS. PART I, BASIC COMMUNITY ACTION, PROVIDES GENERAL INFORMATION ON SOILS, YIELDS, CAPITAL, PROBLEMS, AND COMMUNITY GOALS, WHILE PART III, ADULT FARMER TEACHING PROGRAM, BRIEFLY COVERS ORGANIZATION OF AN ADULT FARMERS' PROGRAM, INCLUDING CONTENT, TENTATIVE COURSE OF STUDY, GOALS, AND PROGRAM RECORDS. PART II, COURSE OF STUDY-ALL-DAY TEACHING PROGRAM, MAKES UP THE MAJOR PORTION OF THE BOOS, AND COVERS THE FOLLOWING 10 SUBJECT AREAS: (1) INTRODUCTION, (2) SUPERVISED PRACTICE, (3) LEADERSHIP TRAINING, (4) GENETICS, (5) ANIMAL, PLANT, AND SOIL SCIENCE, (6) SAFETY AND SANITATION, (7) FARM MANAGEMENT, AND (8) AGRICULTURAL ENGINEERING, WHICH CONTAINS SUBUNITS ON CONSTRUCTION, MAINTENANCE, ELECTRICITY, WATER, EQUIPMENT AND MACHINERY, AND SOIL AND WATER TECHNOLOGY. INDIVIDUAL ACTIVITY PROGRAMS, SUGGESTED MONTHLY TEACHING CALENDARS, AND REFERENCES ARE ALSO PROVIDED. THE COURSE INSTRUCTOR SHOULD HAVE A BACHELOR'S DEGREE IN AGRICULTURAL EDUCATION. (AW)

VT 009 778
SNEPP, NEIL C.
VOCATIONAL AGRICULTURE TRAINING PROGRAMS: SAFE TRACTOR OPERATION, SAFE FARM MACHINERY OPERATION. SPECIAL PAPER NO. 8.

MICHIGAN STATE UNIV., EAST LANSING. RURAL MANPOWER CENTER
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
RURAL MANPOWER CENTER, 326 ERICKSON HALL, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICHIGAN.
PUB DATE - APR69 29P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SAFETY; *TRACTORS; *FARM MACHINERY; SECONDARY GRADES; FARM LABOR; CHILD LABOR; CHILD LABOR LAWS; SAFETY EDUCATION

ABSTRACT - RURAL YOUTH HAVE PERFORMED A WIDE VARIETY OF JOBS THAT INVOLVED WORKING WITH MACHINERY AND LIVESTOCK. WHEN THE SECRETARY OF LABOR'S ORDER ON HAZARDOUS OCCUPATIONS IN AGRICULTURE BECAME EFFECTIVE IN 1968 IT KEPT MANY YOUTHS FROM JOBS WHICH THEY HAD PERFORMED BEFORE AND CAUSED CONCERN TO A NUMBER OF FARM OPERATORS WHO TRADITIONALLY HIRE YOUNG PEOPLE. THIS TRAINING PROGRAM MAY BE USED BY CERTIFIED AGRICULTURE TEACHERS IN HIGH SCHOOLS AND AREA VOCATIONAL SCHOOLS WITH 14-16 YEAR OLD STUDENTS SO THE EXCLUSION REQUEST MAY BE SUBMITTED AND YOUTH MAY BE EMPLOYED IN OPERATIONS INVOLVING FARM TRACTORS AND MACHINERY. THIS 40-HOUR COURSE CONTAINS REFERENCES, INSTRUCTIONAL PROGRAM OUTLINES, AND PRACTICAL AND WRITTEN TESTING PROCEDURES FOR COURSES IN TRACTOR SAFETY AND FARM MACHINERY SAFETY. A SAMPLE EXEMPTION CERTIFICATE IS APPENDED. (DM)

VT 009 829
BENSON, ROBERT T.; HOERNER, THOMAS A.
CONTROLS FOR AUTOMATION IN AGRICULTURE, STUDENT HANDBOOK. TEACHER EDUCATION SERIES, VOLUME 8, NUMBER 2.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA FARM ELECTRIFICATION COUNCIL
DEPARTMENT OF AGRICULTURAL EDUCATION, THE PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802.
PUB DATE - 67 95P.

DESCRIPTORS - *REFERENCE MATERIALS; *AGRICULTURAL ENGINEERING; *FARM MECHANICS (OCCUPATION); *AUTOMATION: GRADE 12; UNITS OF STUDY (SUBJECT FIELDS); *ELECTRONIC CONTROLS

ABSTRACT - DEVELOPED BY A GRADUATE ASSISTANT AND AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION, THIS MANUAL IS FOR USE BY HIGH SCHOOL OR AREA VOCATIONAL SCHOOL SENIORS AND TEACHERS STUDYING AGRICULTURAL MECHANICS. IT IS DESIGNED TO PROVIDE INFORMATION ON THE FUNCTION OF CONTROLS EMPLOYED IN THE AUTOMATION OF AGRICULTURAL EQUIPMENT. THE BASIC PRINCIPLES OF OPERATION INVOLVED IN COMMON AUTOMATIC CONTROL DEVICES ARE PRESENTED IN EIGHT CHAPTERS, HEADED: (1) AUTOMATION, MECHANIZATION, AND AGRICULTURE, (2) HEAT AND LIGHT SENSITIVE CONTROLS, (3) PRESSURE SENSITIVE CONTROLS, (4) ELECTRIC CONTROLS, (5) MAGNETIC CONTROLS, (6) MECHANICAL CONTROLS, (7) SPECIAL FACTORS FOR SELECTION OF AUTOMATIC CONTROLS, AND (8) MAINTENANCE OF AUTOMATIC CONTROLS. ALSO INCLUDED ARE STUDY AND DISCUSSION QUESTIONS FOR EACH TOPIC, A LIST OF DEFINITIONS AND ABBREVIATIONS, AND SIX TABLES ILLUSTRATING VARIOUS TYPES OF CONTROLS. THREE RELATED DOCUMENTS ARE AVAILABLE AS VT 004 686, VT 004 687, AND VT 004 688, ALL IN AIM SPRING 1969. (AW)

VT 009 834
HEMP, PAUL E., COMP.
ORNAMENTAL HORTICULTURE SOURCE UNITS FOR VOCATIONAL TEACHERS: TURF MANAGEMENT, PLANT PROPAGATION, GREENHOUSE MANAGEMENT, ARBORICULTURE, NURSERY MANAGEMENT, LANDSCAPING, AND FLOWERS AND FLORAL ARRANGEMENTS.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OEG-3-6-061538-0950 08
BR-6-1538
THE INTERSTATE PRINTERS AND PUBLISHERS, INC., DANVILLE, ILLINOIS 61832.
PUB DATE - ND 140P.

DESCRIPTORS - RESOURCE MATERIALS; *RESOURCE UNITS; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; TURF MANAGEMENT; PLANT PROPAGATION; LANDSCAPING; NURSERIES (HORTICULTURE); GREENHOUSES; FLORICULTURE; *TEACHING GUIDES; CURRICULUM GUIDES; TEACHER DEVELOPED MATERIALS

ABSTRACT - THIS COLLECTION OF SEVEN SOURCE UNITS WAS COMPILED BY A PROFESSOR OF AGRICULTURAL EDUCATION FROM MATERIALS PREPARED AT A 1966 SUMMER INSTITUTE, AND IS DESIGNED TO AID VOCATIONAL AGRICULTURE TEACHERS IN PLANNING AND TEACHING BASIC ORNAMENTAL HORTICULTURE COURSES. EACH UNIT CONTAINS: (1) INFORMATION ON HOW AND WHEN TO USE THE UNIT, (2) PROBLEM AREA OUTLINE LISTING MAJOR SUBDIVISIONS OF THE UNIT, (3) EXPECTED LEARNING OUTCOMES, (4) TEACHING SUGGESTIONS, (5) STUDENT REFERENCES, (6) TEACHING AIDS, (7) LABORATORY EXERCISES AND SPECIAL ACTIVITIES, AND (8) STUDY QUESTIONS AND ANSWERS. UNIT TOPICS ARE: (1) TURF MANAGEMENT, (2) PLANT PROPAGATION, (3) GREENHOUSE MANAGEMENT, (4) ARBORICULTURE, (5) NURSERY MANAGEMENT, (6) LANDSCAPING, AND (7) FLOWERS AND FLORAL ARRANGEMENTS. LINE DRAWINGS AND DIAGRAMS ILLUSTRATE THE MANUAL. SOME OF THE LABORATORY EXERCISES GIVEN FOR EACH UNIT ARE FROM A COMPANION PUBLICATION, "50 LABORATORY EXERCISES FOR VOCATIONAL HORTICULTURE STUDENTS," AVAILIABLE FROM THE INTERSTATE PRINTERS AND PUBLISHERS, INC., DANVILLE, ILLINOIS. (AW)

VT 009 844
NATIONAL FOREST LOG SCALING HANDBOOK. AMENDMENT NO. 1.

DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST SERVICE
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. (A13.36/2:L82/969, $1.75).
PUB DATE - JAN69 202P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *AGRICULTURAL EDUCATION; *FORESTRY; *FORESTRY OCCUPATIONS; *TREES
IDENTIFIERS - *LOG SCALING

ABSTRACT - THE CHIEF PURPOSE OF THIS HANDBOOK IS TO PROVIDE STANDARD INSTRUCTIONS FOR DETERMINING THE VOLUME OF LOGS OR OTHER PRODUCTS CUT FROM NATIONAL FOREST TIMBER IN CASES WHERE VOLUME IS DETERMINED AFTER THE TIMBER IS FELLED. THE APPROVED STANDARDS AND UNIFORM METHODS PRESCRIBED ARE PRIMARILY DIRECTED TO FOREST SERVICE SCALERS, TO HELP THEM SCALE NATIONAL FOREST TIMBER EFFICIENTLY AND ACCURATELY. THE CONTENTS INCLUDE CHAPTERS ON: (1) THEORY AND PRINCIPLES OF SCALING, (2)

DEFECT-DEDUCTIONS METHODS, (3) LOG DEFECTS AND DEDUCTIONS, (4) SPECIAL AND (8) OTHER FORMS OF MEASUREMENT. THE TEXTUAL MATERIAL IS ILLUSTRATED WITH LINE DRAWINGS AND EXAMPLES. SEVENTEEN TABLES FOR USE IN CALCULATIONS ARE APPENDED. (DM)

VT 009 858
HOERNER, HARRY J.; WILSON, RUSSELL C.
BASIC ELECTRICITY AND PRACTICAL WIRING LESSONS; STUDENT'S MANUAL TEACHER EDUCATION SERIES. VOLUME 10, NUMBER 1(S).

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA FARM ELECTRIFICATION COUNCIL
DEPARTMENT OF AGRICULTURAL EDUCATION, PENNSYLVANIA STATE UNIVERSITY, 101 AGRICULTURAL EDUCATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($.50).
PUB DATE - 69 29P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ELECTRICITY; MANUALS; *INSTRUCTIONAL MATERIALS

ABSTRACT - PREPARED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION AND A GRADUATE ASSISTANT IN RECOGNITION OF THE NEED FOR UNDERSTANDING THE SAFE AND PRACTICAL USE OF ELECTRICITY IN THE FARM AND HOME, THIS MANUAL IS DESIGNED TO ACQUAINT STUDENTS WITH BASIC PRINCIPLES AND PRACTICAL LESSONS IN ELECTRICITY. BRIEF INTRODUCTORY INFORMATION ON WHY ELECTRICITY SHOULD BE STUDIES IS FOLLOWED BY SEVEN LESSONS INTENDED TO AID STUDENTS IN LEARNING PRINCIPLES OF ELECTRICITY, MEASURING ELECTRICAL POWER, CIRCUITING, SWITCHING, SAFETY, AND PRACTICAL WIRING. EACH LESSON PROVIDES PURPOSE, EQUIPMENT NECESSARY, PROCEDURES TO FOLLOW, AND QUESTIONS AND PROBLEMS TO BE ANSWERED BY THE LESSON. ELECTRICAL TERMS, FORMULAS, AND THEIR USES ALSO ARE GIVEN, AND THE MANUAL IS ILLUSTRATED WITH NUMEROUS DIAGRAMS. THE RELATED TEACHER'S MANUAL IS AVAILABLE AS VT 009 859, ALSO IN THIS ISSUE. (AW)

VT 009 859
HOERNER, HARRY J.; WILSON, RUSSELL L.
BASIC ELECTRICITY AND PRACTICAL WIRING LESSONS; TEACHER'S MANUAL TEACHER EDUCATION SERIES, VOLUME 10, NUMBER 1 (T).

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
PENNSYLVANIA FARM ELECTRIFICATION COUNCIL
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.00).
PUB DATE - 69 38P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ELECTRICITY; MANUALS; *DEMONSTRATIONS (EDUCATIONAL); INSTRUCTIONAL MATERIALS

ABSTRACT - THIS MANUAL IS DESIGNED TO AID TEACHERS IN PREPARING AND PRESENTING COURSES IN BASIC ELECTRICITY. IT WAS DEVELOPED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION AND A GRADUATE ASSISTANT IN RECOGNITION OF THE NEED FOR UNDERSTANDING THE SAFE AND PRACTICAL USE OF ELECTRICITY IN THE FARM AND HOME. MOST OF THE LESSONS ARE OF THE TEACHER DEMONSTRATION TYPE, BUT SOME OF THE DEMONSTRATIONS ALSO MAY BE CONDUCTED BY STUDENTS. CONTENTS INCLUDE: (1) AN INTRODUCTION TO THE TEACHER, (2) LIST OF MATERIALS RECOMMENDED, (3) EQUIPMENT DESCRIPTIONS, (4) EXPLANATIONS OF SELECTED DEMONSTRATIONS, (5) INFORMATION ON REASONS FOR STUDYING ELECTRICITY, (6) SEVEN LESSONS DEALING WITH PRINCIPLES OF ELECTRICITY, MEASUREMENT OF ELECTRIC POWER, CIRCUITING, SWITCHING, SAFETY, AND PRACTICAL WIRING, AND (7) A LISTING OF ELECTRICAL TERMS, FORMULAS, AND USES. EACH LESSON CONTAINS STATED PURPOSES, NECESSARY DEMONSTRATION EQUIPMENT, PROCEDURES FOR CONDUCTING DEMONSTRATIONS, AND QUESTIONS AND ANSWERS. INSTRUCTIONS FOR THE TEACHER ALSO ARE GIVEN FOR EACH DEMONSTRATION. THE GUIDE IS ILLUSTRATED WITH NUMEROUS PHOTOGRAPHS AND DIAGRAMS. THE RELATED STUDENT MANUAL IS AVAILABLE AS VT 009 858, ALSO IN THIS ISSUE. (AW)

VT 009 860
HORTICULTURE. UNIT (MODULE): VEGETATIVE PROPAGATION.

KENTUCKY UNIV., LEXINGTON. DIV. OF VOCATIONAL EDUCATION
PUB DATE - FEB68 18P.

DESCRIPTORS - *HORTICULTURE; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); PLANT SCIENCE
IDENTIFIERS - *VEGETATIVE PROPAGATION

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS: (1) METHODS BY WHICH PLANTS ARE PROPAGATED, (2) HOW TO MAKE CUTTINGS PROPERLY ENVIRONMENTAL CONDITIONS FOR GROWING CUTTINGS, (4) TECHNIQUES TO PRODUCE PLANTS INCLUDING SEPARATION AND DIVISION, (5) HOW TO PRODUCE PLANTS BY GRAFTING, (6) HOW TO PRODUCE PLANTS BY BUDDING, AND (7) HOW TO PRODUCE PLANTS BY LAYERAGE. A LIST OF REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. A RELATED GUIDE ON PLANT GROWING MEDIA IS ANNOUNCED AS VT 008 068 (AIM SUMMER 1969). (DM)

VT 009 861
VICE, BILLY J.
PLANT SCIENCE; UNIT (MODULE): SOIL IN RELATION TO CROPS.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - JUL68 21P.

DESCRIPTORS - *PLANT SCIENCE; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRONOMY; *SOIL SCIENCE; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL

MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS TO VISUALIZE THE RELATIONSHIP OF PHYSICAL, CHEMICAL, AND BIOLOGICAL PROPERTIES OF SOIL TO SOIL PRODUCTIVITY. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) IDENTIFYING PROPERTIES AFFECTING SOIL PRODUCTIVITY, (2) UNDERSTANDING THE EFFECT OF PHYSICAL PROPERTIES OF SOIL ON SOIL PRODUCTIVITY, (3) UNDERSTANDING THE EFFECT OF LIVING ORGANISMS AND ORGANIC MATTER IN SOIL ON ITS PRODUCTIVITY, (4) UNDERSTANIING THE EFFECT OF CHEMICAL PROPERTIES OF SOIL ON SOIL PRODUCTIVITY, (5) IDENTIFYING PRACTICES THAT MAKE MORE PLANT NUTRIENTS AVAILABLE TO PLANTS, (6) USING PRACTICES TO IMPROVE THE PHYSICAL AND BIOLOGICAL PROPERTIES OF SOILS, AND (7) USING PRACTICES TO IMPROVE THE CHEMICAL PROPERTIES OF SOILS. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. (DM)

VT 009 863
LEE, JASPER S.
VEGETABLE PRODUCTION. A REFERENCE UNIT.

MISSISSIPPI STATE UNIV., STATE COLLEGE. DEPT. OF AGRICULTURAL EDUCATION
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
CURRICULUM COORDINATING UNIT FOR VOCATIONAL-TECHNICAL EDUCATION, P.O. DRAWER DX, STATE COLLEGE, MISSISSIPPI 39762 ($1.50).
PUB DATE - MAY69 74P.

DESCRIPTORS - *REFERENCE MATERIALS; RESOURCE MATERIALS; RESOURCE UNITS; *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *HORTICULTURE; *AGRICULTURAL PRODUCTION; SECONDARY GRADES; POST SECONDARY GRADES
IDENTIFIERS - *VEGETABLE PRODUCTION

ABSTRACT - DEVELOPED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION IN CONJUNCTION WITH VEGETABLE GROWERS, PROCESSORS, AND EXPERIMENT STATION PERSONNEL, THIS REFERENCE UNIT IS FOR USE IN SECONDARY OR POST-SECONDARY PRODUCTION AGRICULTURE COURSES. THE UNIT IS DESIGNED TO PROVIDE STUDENTS AND TEACHERS IN MISSISSIPPI AND ADJACENT STATES WITH A COMPREHENSIVE PROGRAM INTENDED TO AID IN IMPROVING THE EFFICIENCY OF VEGETABLE PRODUCTION. CONTENTS INCLUDE UNITS ON: (1) POSSIBILITIES OF COMMERCIAL VEGETABLE PRODUCTION IN MISSISSIPPI, (2) DETERMINING KINDS AND VARIETIES OF VEGETABLES TO PRODUCE, (3) GETTING GOOD SEED AND SOIL, (4) PLANTING, TILLING, AND FERTILIZING, (5) CONTROLLING WEEDS, INSECTS, AND DISEASES, (6) IRRIGATING, MULCHING, AND ROTATING, (7) VEGETABLE PRODUCTION IN SPECIAL STRUCTURES, AND (8) HARVESTING AND POST-HARVESTING MANAGEMENT. THE UNIT IS ILLUSTRATED WITH NUMEROUS TABLES, GRAPHS, DIAGRAMS, AND PHOTOGRAPHS. ADDITIONAL RESOURCE MATERIALS ARE DESIRABLE WHEN STUDYING THE TOPIC. (AW)

VT 009 871
SELECTING, FITTING AND SHOWING BEEF AND SWINE.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER
CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURE SECTION
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA (LIMIT: ONE PER STATE SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 69 83P.

DESCRIPTORS - *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *LIVESTOCK; *AGRICULTURAL PRODUCTION; *SWINE; *ANIMAL SCIENCE; CATTLE; INSTRUCTIONAL MATERIALS; SECONDARY GRADES

ABSTRACT - DEVELOPED BY AGRICULTURE TEACHERS AND TEACHER TRAINEES, THIS MANUAL IS FOR USE BY VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS IN A HIGH SCHOOL LIVESTOCK UNIT. CONTENTS INCLUDE TWO MAJOR SECTIONS, ONE DEALING WITH BEEF AND THE OTHER WITH SWINE, WITH EACH SECTION BROKEN DOWN INTO FOUR JOB AREAS. JOBS INCLUDED IN THE SECTION ON BEEF ARE: SELECTING BEEF CATTLE, FITTING THE BEEF ANIMAL FOR SHOWING, SHOWING BEEF CATTLE, AND GRADING BEEF CATTLE. THE SECTION ON SWINE INCLUDES THE JOBS OF SELECTING SWINE FOR MARKET, SELECTING BREEDING SWINE, FITTING SWINE FOR SHOWING, AND SHOWING SWINE. EACH JOB GIVES A BREAKDOWN OF QUESTIONS TO BE ANSWERED, NEEDED INFORMATIONFOR ANSWERING THEM, SUGGESTED ACTIVITIES, AND REFERENCES. THE APPENDIX CONTAINS TABLES ON MARKET CLASSES AND GRADES OF SLAUGHTER CATTLE AND HOGS, CATTLE AND SWINE REGISTRY ASSOCIATION, A PORK CHART, AND GRADING INFORMATION. THE MANUAL IS ILLUSTRATED WITH NUMEROUS PHOTOGRAPHS AND TABLES. A SET OF RELATED TRANSPARENCY MASTERS IS AVAILABLE AS VT 009 872, ALSO IN THIS ISSUE. (AW)

VT 009 872
SELECTING, FITTING AND SHOWING BEEF AND SWINE. (TRANSPARENCY MASTERS).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA (LIMIT: ONE PER STATE SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 69 67P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; CATTLE; *LIVESTOCK; SWINE; *AGRICULTURAL PRODUCTION; *ANIMAL SCIENCE; INSTRUCTIONAL AIDS; SECONDARY GRADES

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE 62 TRANSPARENCY MASTERS MAY BE USED BY HIGH SCHOOL VOCATIONAL AGRICULTURE TEACHERS IN INSTRUCTING A LIVESTOCK UNIT. DEVELOPED BY AGRICULTURE TEACHERS AND TEACHER TRAINERS, THE MATERIAL IS INTENDED TO SUPPLEMENT THE RELATED MANUAL, "SELECTING, FITTING AND SHOWING OF BEEF AND SWINE," WHICH IS AVAILABLE IN THIS ISSUE AS VT 009 871. THE

TRANSPARENCIES RELATE TO SUCH POINTS AS LIVESTOCK ANATOMY, JUDGING PROCEDURES, COMPARISON OF STEERS, DIFFERENT TYPES AND GRADES OF ANIMALS, AND PREPARATION OF ANIMALS FOR SHOWING. (AW)

VT 009 889
READING THE MICROMETER; TEACHER INFORMATION.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION
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SOUTH CAROLINA STATE DEPT. OF EDUCATION,
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AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON
UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631
(LIMIT: ONE PER STATE SUPERVISOR OF
AGRICULTURAL EDUCATION).
PUB DATE - 8SEP69 6P.

DESCRIPTORS - *TEACHING GUIDES; *MEASUREMENT INSTRUMENTS; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; TRANSPARENCIES
IDENTIFIERS - *MICROMETERS

ABSTRACT - THIS TEACHING GUIDE, DEVELOPED BY AGRICULTURE AND TRADE AND INDUSTRY SPECIALIST FOR TEACHERS OF AGRICULTURE, IS FOR TEACHING AGRICULTURE STUDENTS IN A SECONDARY PROGRAM ABOUT MICROMETERS, THEIR PARTS, AND HOW TO READ THEM. INCLUDED IS AN INTRODUCTION TO THE MICROMETER GIVING THE NOMENCLATURE OF ITS PARTS, A STEP BY STEP PROCEDURE FOR READING ANY INSIDE OR OUTSIDE MICROMETER, AND ANSWERS TO THE STUDENT EXERCISES. TWO TRANSPARENCY MASTERS ARE APPENDED. STUDENT WORKSHEETS ARE AVAILABLE AS VT 009 890, ALSO IN THIS ISSUE. (GR)

VT 009 898
FARM ELECTRIFICATION TEACHING GUIDE I; FARM BETTER ELECTRICALLY.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION
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AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON
UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631
(LIMIT: ONE PER STATE SUPERVISOR OF
AGRICULTURAL EDUCATION).
PUB DATE - 17JAN69 26P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *ELECTRICITY; *DEMONSTRATIONS (EDUCATIONAL); LESSON PLANS; ELECTRICAL SYSTEMS; *AGRICULTURAL ENGINEERING; SECONDARY GRADES; INSTRUCTIONAL MATERIALS
IDENTIFIERS - *FARM ELECTRIFICATION

ABSTRACT - THIS BOOKLET WAS DEVELOPED BY POWER SUPPLY COMPANIES TO AID AGRICULTURE INSTRUCTORS IN TEACHING THE FUNDAMENTALS OF ELECTRICITY, BASIC WIRING, AND MAINTENANCE OF ELECTRICAL SYSTEMS IN SECONDARY SCHOOLS AND VOCATIONAL EDUCATION CENTERS. MATERIALS FOR CONDUCTING SIX DEMONSTRATIONS ARE GIVEN, FOLLOWED BY SUGGESTED REFERENCES, WIRING EXERCISES, A WIRING DIAGRAM, AND FOUR LESSON PLANS COVERING FUNDAMENTALS OF ELECTRICITY, CALCULATING ELECTRICAL POWER CONSUMPTION AND OPERATING COSTS, PLANNING THE WIRING SYSTEM, AND MAINTAINING THE WIRING SYSTEM. THE GUIDE IS ILLUSTRATED WITH PHOTOGRAPHS. (AW)

VT 009 949
CAREER OPPORTUNITIES IN AGRICULTURAL SALES AND SERVICE (TRANSPARENCY MASTERS).

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AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON
UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631
(LIMIT: ONE PER STATE SUPERVISOR OF
AGRICULTURAL EDUCATION).
PUB DATE - 69 9P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALES OCCUPATIONS; INSTRUCTIONAL AIDS; SECONDARY SCHOOLS

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE SIX TRANSPARENCY MASTERS MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING COURSES IN AGRICULTURAL SALES AND SERVICES IN SECONDARY SCHOOLS AND AREA VOCATIONAL CENTERS. PREPARED BY A TEACHER COMMITTEE, THE MATERIAL IS INTENDED FOR USE WITH THE MODULE, "CAREER OPPORTUNITIES IN AGRICULTURAL SALES AND SERVICES," WHICH IS AVAILABLE AS ED 015 233 (VT 000 633, AIM SPRING 1968). SOME OF THE TITLES INCLUDED ARE AREAS OF EMPLOYMENT IN AGRICULTURAL SALES AND SERVICES MAJOR FIELDS OF ACTIVITY IN SALES AND SERVICES, OCCUPATIONS IN AGRICULTURAL SUPPLIES--SALES AND SERVICES BUSINESSES, AND PRODUCTS WHICH AGRICULTURAL SUPPLY BUSINESSES DEAL IN. (AW)

VT 009 950
BUSINESS PROCEDURES (TRANSPARENCY MASTERS).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION
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AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON
UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631
(LIMIT: ONE PER STATE SUPERVISOR OF
AGRICULTURAL EDUCATION).
PUB DATE - 69 18P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALES OCCUPATIONS; *BUSINESS EDUCATION; INSTRUCTIONAL AIDS; SECONDARY GRADES

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE 14 TRANSPARENCY MASTERS MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING COURSES IN AGRICULTURAL SALES AND SERVICE IN SECONDARY SCHOOLS AND AREA VOCATIONAL CENTERS. PREPARED BY A TEACHER COMMITTEE, THE MATERIAL IS INTENDED FOR USE WITH THE MODULE, "BUSINESS PROCEDURES," WHICH IS AVAILABLE AS ED 015 238 (VT 000 638, AIM SPRING 1968). SOME TITLES INCLUDED ARE: (1) RECORDS A BUSINESS NEEDS FOR DAILY TRANSACTIONS, (2) NEEDED BUSINESS PROCEDURES, (3) STATEMENT OF OPERATIONS, (4) BALANCE SHEET, (5) SAMPLE SALES TICKET, (6) BREAK EVEN CHART, (7) MARK UP--EXAMPLE, (8) GROSS MARGIN--EXAMPLE, (9) BILL OF LADING, (10) PURCHASE ORDER, (11) RECEIVING RECORD, AND (12) INVOICE. (AW)

VT 009 954
RELATIONS BETWEEN PERSONS IN AGRICULTURAL SALES AND SERVICES (TRANSPARENCY MASTERS).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (LIMIT: ONE PER STATE SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 69 30P.

DESCRIPTORS - *TRANSPARENCIES; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALES OCCUPATIONS; *HUMAN RELATIONS; INSTRUCTIONAL AIDS; SECONDARY GRADES; *VOCATIONAL AGRICULTURE

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE 26 TRANSPARENCY MASTERS MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS PRESENTING COURSES IN AGRICULTURAL SALES AND SERVICES IN SECONDARY SCHOOLS AND AREA VOCATIONAL CENTERS. TITLES INCLUDE: (1) BASIC HUMAN NEEDS, (2) MEDIAN INCOMES PER YEAR DURING DECADES OF MAXIMUM EARNINGS, (3) WHERE TO FIND OUT ABOUT CAREERS, (4) BUILDING CAREER SUCCESS, (5) PERSONALITY TRAITS, (6) SPEAKING IS NOT THE ONLY WAY TO COMMUNICATE WITH PROSPECTIVE EMPLOYERS, (7) A LETTER OF APPLICATION SHOULD, (8) SAMPLE LETTER OF APPLICATION, (9) PERSONAL DATA SHEET, (10) RULES FOR INTRODUCTIONS, (11) NEATNESS TEST, AND (12) HUMAN RELATIONS CONCEPTS. (AW)

VT 009 956
SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM (TRANSPARENCY MASTERS).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (LIMIT: ONE PER STATE SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 69 12P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *COOPERATIVE EDUCATION; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALES OCCUPATIONS; INSTRUCTIONAL AIDS; SECONDARY GRADES

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE EIGHT TRANSPARENCY MASTERS MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING COURSES IN AGRICULTURAL SALES AND SERVICE IN SECONDARY SCHOOLS AND AREA VOCATIONAL CENTERS. PREPARED BY A TEACHER COMMITTEE, THE MASTERS ARE DESIGNED FOR USE WITH THE MODULE, "ORIENTATION TO AND PLANNING FOR THE SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM," WHICH IS AVAILABLE AS ED 015 234 (VT 000 634, AIM SPRING 1968). TITLES INCLUDE: (1) WHAT IS A SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM, (2) SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM, (3) THE TRIANGLE OF THE SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM, (4) WHAT DOES PERSONALITY INCLUDE, (5) SELF ANALYSIS QUESTIONS, (6) VALUES OF A SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM, AND (7) STUDENT RESPONSIBILITIES. (AW)

VT 009 957
ORGANIZATIONS AND FUNCTIONS OF AGRICULTURAL BUSINESS (TRANSPARENCY MASTERS).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
AGRICULTURAL EDUCATION DEPARTMENT, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 (LIMIT: ONE PER STATE SUPERVISOR OF AGRICULTURAL EDUCATION).
PUB DATE - 69 17P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SUPPLY OCCUPATIONS; INSTRUCTIONAL AIDS; SECONDARY SCHOOLS

ABSTRACT - THESE 13 TRANSPARENCY MASTERS ARE FOR USE BY VOCATIONAL AGRICULTURE TEACHERS PRESENTING COURSES IN AGRICULTURAL SALES AND SERVICE IN SECONDARY SCHOOLS AND AREA VOCATIONAL CENTERS. THE MASTERS WERE PREPARED BY A TEACHER COMMITTEE AND ARE INTENDED TO SUPPLEMENT THE MODULE, "ORGANIZATIONS AND FUNCTIONS OF AGRICULTURAL BUSINESS," AVAILABLE AS ED 015 237 (VT 000 637, AIM SPRING 1968). TITLES ARE: (1) FUNCTIONS OF FARM SUPPLY BUSINESSES, (2) FOUR BASIC TYPES OF BUSINESSES OWNERSHIP, (3) IMPORTANT SERVICES, (4) FUNCTIONS OF BUSINESS, (5) ACTIVITIES ESSENTIAL TO SUCCESSFUL SALES, (6) RISK-TAKING (7) INDIVIDUAL PROPRIETORSHIP-PARTERNSHIP, (8) GENERAL BUSINESS TYPE CORPORATION, (9) COOPERATIVE TYPE CORPORATION, (10) LINE OR MILITARY PATTERN, (11) LINE PATTERN ORGANIZATION, AND (12) LINE AND STAFF. (AW)

VT 009 981
GILEN, G. WALLACE, AND OTHERS
FARM UTILITY BUILDINGS: DESIGNS, MATERIALS, AND PLANS.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, 120 AGRICULTURAL ENGINEERING CENTER, UNIVERSITY OF GEORGIA, ATHENS, GEORGIA 30601.
PUB DATE - MAY69 65P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *AGRICULTURAL OCCUPATIONS; *SUPPLEMENTARY TEXTBOOKS; *FARM STRUCTURES; SECONDARY GRADES; POST SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; BUILDING MATERIALS; BUILDING DESIGN; ILLUSTRATIONS

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS AND CHECKED BY AGRICULTURAL ENGINEERS, TEACHER TRAINERS, AND 12 TEACHERS OF VOCATIONAL AGRICULTURE, THIS REFERENCE WAS DESIGNED FOR USE BY TEACHERS, STUDENTS, EXTENSION WORKERS, FARMERS, AND EMPLOYEES OF FARM CONSTRUCTION CONCERNS. THE CONTENT HAS INTERNATIONAL GEOGRAPHIC ADAPTABILITY AND MAY BE USED FOR COURSE PLANNING, LESSON PLANNING, STUDENT READING, AND BUILDING PLANNING. IN ADDITION TO THE INTRODUCTORY SECTION, CHAPTERS ARE: (1) TYPES OF UTILITY BUILDINGS--CAUSES OF FAILURE, (2) WHAT TYPE OF ROOF FRAMING TO USE, (3) WHAT TYPE OF FOUNDATION AND WALL SUPPORT TO PROVIDE, (4) WHAT KIND OF ROOFING MATERIAL TO USE, (5) WHAT KIND OF SIDING MATERIAL TO USE, (6) WHAT KIND OF DOORS TO PROVIDE, (7) WHAT KIND OF FLOOR TO PROVIDE, (8) WHAT KIND OF PAINT TO SELECT, AND (9) WHAT PROVISION TO MAKE FOR LIGHTING PROTECTION. A SLIDE SET CONTAINING THE 51 COLORED ILLUSTRATIONS IN THIS DOCUMENT IS UNDER DEVELOPMENT. A TABLE OF RECOMMENDED I-BEAM SIZES, A DETAILED LISTING OF 61 AVAILABLE BUILDING PLANS, AND A 76-ITEM REFERENCE LIST ARE APPENDED. STUDENTS SHOULD HAVE EMPLOYMENT GOALS IN FARMING, FARM CONSTRUCTION, OR AS A FARM BUILDING TECHNICIAN FOR THIS 15-HOUR UNIT. (DM)

VT 009 982
PARADY, W. HAROLD, ED., AND OTHERS
UNDERSTANDING AND MEASURING HORSEPOWER: MOTORS, ENGINES, AND TRACTORS.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, 120 AGRICULTURAL ENGINEERING CENTER, UNIVERSITY OF GEORGIA, ATHENS, GEORGIA 30601 ($3.00).
PUB DATE - JUL69 74P.

DESCRIPTORS - *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL ENGINEERING; *AGRICULTURAL EDUCATION; *POWER MECHANICS; *SUPPLEMENTARY TEXTBOOKS; TRACTORS; ENGINES; KINETICS; ELECTRIC MOTORS; MEASUREMENT TECHNIQUES; AGRICULTURAL MACHINERY; ILLUSTRATIONS; ADULT VOCATIONAL EDUCATION; POST SECONDARY GRADES; SECONDARY GRADES
IDENTIFIERS - *HORSEPOWER; DYNAMOMETERS

ABSTRACT - DEVELOPED BY SUBJECT MATTER SPECIALISTS, AND CHECKED BY AGRICULTURAL ENGINEERS, TEACHER TRAINERS, AND 12 TEACHERS OF VOCATIONAL AGRICULTURE, THIS REFERENCE IS FOR USE IN COURSE PLANNING, LESSON PLANNING, AND STUDENT STUDY BY TEACHERS, STUDENTS, EXTENSION DIRECTORS, AND FARMERS. THE CONTENT INCLUDES SECTIONS ON: (1) UNDERSTANDING POWER TERMS, (2) UNDERSTANDING THE RELATIONSHIP OF HORSEPOWER, SPEED AND TORQUE FOR ENGINES, (3) UNDERSTANDING THE RELATIONSHIP OF HORSEPOWER, SPEED AND TORQUE FOR MOTORS, (4) DETERMINING WHAT SIZE ENGINE TO SELECT, (5) DETERMINING WHAT SIZE MOTOR TO SELECT, (6) DETERMINING WHAT SIZE FARM TRACTOR TO SELECT, (7) UNDERSTANDING THE PRINCIPLES OF DYNAMOMETER OPERATION, (8) SELECTING A DYNAMOMETER, (9) MEASURING HORSEPOWER WITH POWER-UNIT DYNAMOMETERS, AND (10) MEASURING HORSEPOWER WITH POWER TAKE-OFF DYNAMOMETERS. A SLIDE SET IS UNDER DEVELOPMENT WHICH WILL CONTAIN THE 100 COLORED ILLUSTRATIONS INCLUDED IN THE TEXT. STUDENTS SHOULD BE INTERESTED IN INSTALLATION AND OPERATION OF ENGINES AND ELECTRIC MOTORS FOR THIS 15-HOUR UNIT. (DM)

VT 009 999
VICE, BILLY J.
FUTURE FARMERS OF AMERICA; UNIT (MODULE): THE ORGANIZATION AND OPERATION OF THE FFA CHAPTER.

KENTUCKY UNIV., LEXINGTON. DIV. OF VOCATIONAL EDUCATION
PUB DATE - SEP68 28P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *STUDENT ORGANIZATIONS; *LEADERSHIP TRAINING; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); *LEADERSHIP
IDENTIFIERS - *FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS TO UNDERSTAND THE ORGANIZATION AND OPERATION OF THE LOCAL FUTURE FARMERS OF AMERICA (FFA) CHAPTER IN ORDER THAT THEY MAY BENEFIT TO THE FULLEST EXTENT FROM THE OPPORTUNITIES FOR LEADERSHIP DEVELOPMENT WHICH IT PROVIDES. SUGGESTED COMPETENCIES TO BE DEVELOPED INCLUDE: (1) BECOMING ACQUAINTED WITH THE FFA ORGANIZATION, (2) UNDERSTANDING THE SCOPE OF THE FFA, (3) ADVANCING TO A HIGHER DEGREE IN THE FFA, (4) UNDERSTANDING WHAT MAKES A GOOD FFA CHAPTER, (5) UNDERSTANDING HOW THE LOCAL CHAPTER SHOULD OPERATE, (6) SETTING UP A CHAPTER PROGRAM OF ACTIVITIES, (7) CARRYING OUT A CHAPTER PROGRAM OF ACTIVITIES, (8) ELECTING CAPABLE MEMBERS AS FFA OFFICERS, AND (9) CONDUCTING MEETINGS PROPERLY. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. A RELATED DOCUMENT IS VT 010 001, ALSO IN THIS ISSUE. (DM)

VT 010 000
VICE, BILLY J.; SPILLMAN, ROBERT
SOILS; UNIT (MODULE): PHYSICAL PROPERTIES OF SOIL.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - NOV68 21P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; *AGRONOMY; *TEACHING GUIDES; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS THE PHYSICAL PROPERTIES OF SOIL, AND THEIR AFFECT ON CROP PRODUCTION. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING HOW SOIL FORMING AND OTHER PROCESSES AFFECT PHYSICAL PROPERTIES OF SOIL, (2) DETERMINING HOW PHYSICAL PROPERTIES OF SOIL AFFECT CROP PRODUCTION, (3) UNDERSTANDING HOW SOIL TEXTURE AFFECTS SOIL PRODUCTIVITY, (4) UNDERSTANDING HOW SOIL STRUCTURE AFFECTS THE PRODUCTIVITY OF SOIL, (5) VISUALIZING THE RELATIONSHIP OF PHYSICAL PROPERTIES OF SOIL TO THE SOIL PROFILE, (6) UNDERSTANDING HOW TOPOGRAPHY AFFECTS THE PRODUCTIVITY OF SOIL, (7) UNDERSTANDING HOW TO USE LAND CLASSIFICATION IN DETERMINING EFFECTIVE LAND

USE, AND (8) JUDGING THE PHYSICAL PROPERTIES OF SOIL. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. A RELATED DOCUMENT IS ANNOUNCED AS VT 010 001, ALSO IN THIS ISSUE. (DM)

VT 010 001
SPILLMAN, ROBERT
SOILS; UNIT (MODULE): USING FERTILIZERS AND OTHER SOIL BUILDING MATERIALS.

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
PUB DATE - APR69 17P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; *FERTILIZERS; *TEACHING GUIDES; *FARM MANAGEMENT; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); AGRONOMY

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO EFFECTIVELY USE FERTILIZERS AND OTHER SOIL BUILDING MATERIALS. COMPENTENCIES TO BE DEVELOPED DURING THE UNIT INCLUDE: (1) TAKING SOIL SAMPLES FOR SOIL TESTING PURPOSES, (2) USING SOIL TESTS IN DETERMINING FERTILIZER NEEDS, (3) SUPPLYING ADEQUATE NITROGEN FOR HIGH CROP YIELDS, (4) SUPPLYING ENOUGH PHOSPHORUS TO SECURE HIGH CROP YIELDS, (5) SUPPLYING THE POTASSIUM NECESSARY FOR HIGH CROP YIELDS, (6) LIMITING THE SOIL AS NEEDED TO OBTAIN HIGH CROP YIELDS, (7) CARING FOR AND USING MANURE PROPERLY, (8) USING PLANT RESIDUES TO IMPROVE SOIL PRODUCTIVITY, AND (9) PLANNING A FERTILITY PROGRAM FOR THE HOME FARM. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. A RELATED DOCUMENT IS VT 010 000, ALSO IN THIS ISSUE. (DM)

VT 010 002
VICE, BILLY J.; SPILLMAN, ROBERT
FUTURE FARMERS OF AMERICA; UNIT (MODULE): DEVELOPING QUALITIES OF DEMOCRATIC LEADERSHIP.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - AUG68 14P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *STUDENT ORGANIZATIONS; *LEADERSHIP TRAINING; *LEADERSHIP; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); PARLIAMENTARY LAW
IDENTIFIERS - *FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIAL SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS TO DEVELOP THEIR ABILITY TO BECOME DEMOCRATIC LEADERS. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING THE IMPORTANCE OF DEMOCRATIC LEADERSHIP, (2) BECOMING AN AGGRESSIVE DEMOCRATIC LEADER, (3) USING CORRECT PARLIAMENTARY PROCEDURE IN CONDUCTING BUSINESS IN ORGANIZED GROUPS, (4) CAUSING VOCATIONAL AGRICULTURE TO BE RECOGNIZED AS AN INTEGRAL AND VITAL PART OF THE SCHOOL AND COMMUNITY, (5) PROMOTING VOCATIONAL AGRICULTURE IN THE SCHOOL AND COMMUNITY, AND (6) PROMOTING GOOD CITIZENSHIP THROUGH THE FUTURE FARMERS OF AMERICA (FFA). A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. A RELATED DOCUMENT IS VT 009 999, ALSO IN THIS ISSUE. (DM)

VT 010 003
VICE, BILLY J.; SPILLMAN, ROBERT
FORESTRY; UNIT (MODULE): THE RESOURCE.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - AUG68 10P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FORESTRY; *TEACHING GUIDES; *CAREER OPPORTUNITIES; SECONDARY GRADES; *OCCUPATIONAL INFORMATION; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS TO IDENTIFY CAREER OPPORTUNITIES IN FORESTRY. COMPETENCIES TO BE DEVELOPED IN THE UNIT INCLUDE: UNDERSTANDING THE IMPORTANCE OF FORESTRY, UNDERSTANDING THE FORESTRY INDUSTRY IN KENTUCKY, IDENTIFYING OPPORTUNITIES IN THE MANAGEMENT OF TIMBERLAND AND TREES FOR OTHER USES, AND IDENTIFYING OPPORTUNITIES IN THE UTILIZATION OF FORESTS AND THEIR PRODUCTS. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIOANL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS IN THIS SERIES ARE VT 010 004-VT 010 009, ALL IN THIS ISSUE. (DM)

VT 010 004
VICE, BILLY J.; SPILLMAN, ROBERT
FORESTRY; UNIT (MODULE): GROWTH OF TREES.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - AUG68 8P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FORESTRY; *TEACHING GUIDES; *PLANT GROWTH; *TREES; PLANT SCIENCE; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS THE ANATOMY, AND GROWTH OF TREES. STUDENT COMPETENCIES TO BE DEVELOPED INCLUDE: (1) VISUALIZING THE RELATIOHSHIP OF ANATOMY AND PHYSIOLOGY TO THE GROWTH OF TREES, (2) IDENTIFYING THE EFFECTS OF SOIL TYPE, FERTILITY, EVALUATION, AND SLOPE OF TREE GROWTH, (4) IDENTIFYING THE EFFECTS OF COMPETITION FOR LIGHT, MOISTURE, FERTILITY, AND OTHER ESSENTIALS FOR GROWTH, (5) UNDERSTANDING HOW TREES REPRODUCE, AND (6)

PRODUCING QUALITY TREES. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS IN THIS SERIES ARE VT 010 003-VT 010 009, ALL IN THIS ISSUE. (DM)

VT 010 005
VICE, BILLY J.; SPILLMAN, ROBERT
FORESTRY; UNIT (MODULE): ESTABLISHING TREES.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - AUG68 7P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FORESTRY; *TEACHING GUIDES; *TREES; PLANT SCIENCE; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO ESTABLISH A NEW FOREST SUCCESSFULLY. COMPETENCIES TO BE DEVELOPED DURING THE UNIT INCLUDE: (1) UNDERSTANDING THE ASSISTANCE PROGRAM IN FORESTRY, (2) SELECTING THE PROPER SPECIES TO BE PLANTED, (3) PREPARING FOR PLANTING SEEDLINGS, (4) PLANTING SEEDLINGS PROPERLY, AND (5) CARING FOR SEEDLINGS AFTER PLANTING. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS ARE VT 010 003-VT 010 009, ALL IN THIS ISSUE. (DM)

VT 010 006
VICE, BILLY J.; SPILLMAN, ROBERT
FORESTRY; FOREST PROTECTION.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - AUG68 7P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FORESTRY; *TEACHING GUIDES; *TREES; *SAFETY; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)
IDENTIFIERS - *FOREST PROTECTION

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO PROTECT TREES FROM ENEMIES IN THE FOREST. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING THE LOSS IN VALUE CAUSED BY ENEMIES OF THE FOREST, (2) RECOGNIZING THE CAUSES AND RESULTS OF FOREST FIRES, (3) PREVENTING AND CONTROLLING FOREST FIRES, (4) RECOGNIZING AND CONTROLLING THE MORE SERIOUS INSECTS AND DISEASES THAT ATTACK CONIFERS, AND (5) RECOGNIZING AND CONTROLLING THE MORE SERIOUS INSECTS AND DISEASES THAT ATTACK HARDWOOD TREES. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS ARE VT 010 003-VT 010 009, ALL IN THIS ISSUE. (DM)

VT 010 007
VICE, BILLY J.; SPILLMAN, ROBERT
FORESTRY; UNIT (MODULE): MANAGING WOODLAND.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - AUG68 8P.

DESCRIPTORS - *FARM MANAGEMENT; *FORESTRY; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *TREES; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS TO PLAN AND CARRY OUT DESIRABLE PRACTICES TO REGULATE GROWTH OF TREES. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING WHAT IS INCLUDED IN A GOOD FORESTRY MANAGEMENT PROGRAM, (2) UNDERSTANDING THE RELATION OF FORESTRY TO CONSERVATION, RECREATION, AND BEAUTIFICATION, (3) MANAGING FARM WOODLANDS TO CONTROL REPRODUCTION, PROMOTE GROWTH, AND ASSIST OTHER DESIRABLE GROWTH HABITS, (4) UNDERSTANDING THE ASSISTANCE IN FORESTRY AVAILABLE TO FARMERS THROUGH VARIOUS AGRICULTURAL AGENCIES, AND (5) UNDERSTANDING THE IMPORTANCE OF MAKING AND USING A GOOD WORK PLAN IN MANAGING A FARM WOODLANDS. A LIST OF REFERENCES AND INSTRUCTION MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED PUBLICATIONS ARE VT 010 003-VT 010 009, ALL IN THIS ISSUE. (DM)

VT 010 008
VICE, BILLY J.; SPILLMAN, ROBERT
FORESTRY; UNIT (MODULE): FOREST MEASUREMENTS.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - AUG68 7P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FORESTRY; *TEACHING GUIDES; *MEASUREMENT; *TREES; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO MEASURE FOREST AND FOREST PRODUCTS EFFECTIVELY. COMPETENCIES TO BE DEVELOPED WHEN TEACHING THE UNIT INCLUDE MEASURING TIMBERLAND, MEASURING GROWTH REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS ARE VT 010 003-VT 010 009, ALL IN THIS ISSUE. (DM)

VT 010 009
SPILLMAN, ROBERT
FORESTRY.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - APR69 15P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *FORESTRY; *TEACHING GUIDES; *TREES; PLANT

SCIENCE; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO PRODUCE AND MARKET FOREST PRODUCTS. MAJOR COMPETENCIES TO BE DEVELOPED INCLUDE: (1) TO UNDERSTAND THE IMPORTANCE OF FORESTRY, (2) TO SELECT LAND TO PLANT IN TREES AND DETERMINE THE SPECIES OF TREES TO PLANT, (3) TO PLANT TREES SUCCESSFULLY, (4) TO MANAGE YOUNG TREES, (5) TO MANAGE WOODLANDS, (6) TO HARVEST OUR FOREST PRODUCTS EFFECTIVELY, AND (7) TO MARKET OUR FOREST PRODUCTS EFFECTIVELY. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS ARE VT 010 003-VT 010 008, ALL IN THIS ISSUE. (DM)

VT 010 028
MILLER, HOWARD L.; WOODIN, RALPH J.
AGDEX: A SYSTEM FOR CLASSIFYING, INDEXING, AND FILING AGRICULTURAL PUBLICATIONS.

AMERICAN VOCATIONAL ASSOCIATION, INC., WASHINGTON, D.C.
PUBLICATIONS EDITOR, AMERICAN VOCATIONAL ASSOCIATION, INC., 1510 H STREET, N.W., WASHINGTON, D.C. 20005 ($4.00).
PUB DATE - 69 89P.

DESCRIPTORS - *INDEXING; *CLASSIFICATION; *FILING; *PUBLICATIONS; *AGRICULTURE; AGRICULTURAL EDUCATION; SUBJECT INDEX TERMS; INSTRUCTIONAL MATERIALS; INFORMATION STORAGE; CLASSROOM LIBRARIES; CLASSROOM MATERIALS
IDENTIFIERS - *AGDEX

ABSTRACT - THE AGDEX FILING SYSTEM IS A COMPREHENSIVE NUMERICAL SYSTEM DESIGNED FOR USE BY TEACHERS OF VOCATIONAL AGRICULTURE AND COUNTY EXTENSION AGENTS USING A BROAD SPECTRUM OF AGRICULTURAL PUBLICATIONS. AGDEX WAS DESIGNED FOR NATIONWIDE USE AND CAN BE ADAPTED TO THE AGRICULTURE IN WIDELY DIFFERING AREAS. DURING THE PAST 10 YEARS IT HAS BEEN IN USE IN OVER 30 STATES AND SEVERAL FOREIGN COUNTRIES. THE AGDEX FILING SYSTEM INCLUDES THIS SPIRAL BOUND FILING GUIDE AS WELL AS NEARLY 1,200 COLOR CODED, GUMMED LABELS. THESE LABELS HAVE BEEN ARBITRARILY SELECTED AS REPRESENTING THOSE MOST COMMONLY USED IN AGRICULTURAL EDUCATION. SECTIONS OF THE GUIDE INCLUDE: (1) USING THE AGDEX SYSTEM, (2) WHAT AGDEX CAN DO FOR YOU, (3) INSTALLING AGDEX, (4) CLASSIFYING PUBLICATIONS WITH AGDEX, (5) ASSIGNING INDEX NUMBERS, (6) PLACING CODE PUBLICATIONS IN THE FILE, AND (7) MAINTAINING THE AGDEX SYSTEM. THE FIRST EDITION OF AGDEX ORIGINATED IN 1959; THIS REVISION INCLUDES A NEW SECTION OF OFF-FARM AGRICULTURAL OCCUPATIONS, IS ADAPTED FOR USE IN MULTIPLE TEACHER DEPARTMENTS, AND MAY BE USED FOR FILING MATERIALS IN AREA SCHOOLS AND TECHNICAL INSTITUTES. A SERIES OF 29 SLIDES AND SCRIPT EXPLAINING THE INSTALLATION AND USE OF AGDEX MAY BE OBTAINED FOR $4.50, FROM AGRICULTURAL EDUCATION CURRICULUM SERVICE, ROOM 201, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210. (DM)

VT 010 035
EFFECTIVE RADIO USE; A SELF-INSTRUCTIONAL COURSE.

DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST SERVICE
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A13.2:R11, $2.00).
PUB DATE - JUN69 196P.

DESCRIPTORS - *AUTOINSTRUCTIONAL AIDS; *AGRICULTURAL EDUCATION; *FORESTRY; *RADIO; *EQUIPMENT UTILIZATION; PRETESTS; ACHIEVEMENT TESTS; ADULT VOCATIONAL EDUCATION

ABSTRACT - THIS MANUAL PROVIDES A SELF-INSTRUCTIONAL BASIC COURSE TEACHING THE USE OF 2-WAY F.M. RADIOS TO FOREST SERVICE PERSONNEL. THE MAJOR PART OF THE CONTENT IS THE MANUAL PORTION, INCLUDING INFORMATION ON: (1) MAJOR TYPES OF FOREST SERVICE RADIO UNITS, (2) TRANSMITTING CHANNELS AND RADIO RECEPTION, (3) OPERATIONAL PROCEDURES OF THE RADIO, (4) USE OF THE STANDARD 10-CODE, (5) MILITARY TIME OF DAY DESIGNATIONS, AND (6) GOOD RADIO PRACTICES. SELF-TESTS ARE PROVIDED FOR EACH SUBJECT AREA. ALSO INCLUDED ARE SECTIONS ON SAFETY AND ROLE PLAYING, A PRE-TEST, A POST-TEST, ANSWER PAGES CODED TO EACH TEST, AND AN OPTIONAL SECTION OF QUESTIONS FOR USE WITH A SPECIAL TAPE OF ACTUAL RADIO TRANSMISSIONS. ESTIMATED TIME FOR COMPLETION OF THE COURSE IS 15 TO 30 HOURS, TO BE COVERED IN SESSIONS OF 2 TO 4 HOURS EACH. RECOMMENDED STOPPING OR "BREAK POINTS" ARE DESIGNATED. (AW)

VT 010 044
VICE, BILLY J.; SPILLMAN, ROBERT
TOBACCO: UNIT (MODULE): PLANNING TO GROW TOBACCO.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - AUG69 24P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *TOBACCO; *AGRICULTURAL PRODUCTION; *FARMERS; PLANT SCIENCE; TRANSPARENCIES; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO PLANT AND GROW TOBACCO. SPECIFIC COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING THE SUPPLY AND DEMAND FOR TOBACCO, (2) UNDERSTANDING THE IMPORTANCE OF TOBACCO IN KENTUCKY AGRICULTURE, (3) UNDERSTANDING THE IMPORTANCE OF TOBACCO IN THE FARM BUSINESS, (4) SELECTING THE BEST LAND FOR TOBACCO, AND (5) SELECTING A PROFITABLE VARIETY OR STRAIN OF TOBACCO TO GROW. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. THIRTEEN TRANSPARENCY MASTERS ARE APPENDED. RELATED DOCUMENTS ARE VT 010 045-VT 010 047, ALL IN THIS ISSUE. (DM)

VT 010 045
SPILLMAN, ROBERT
TOBACCO; UNIT (MODULE): GROWING TOBACCO.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - NOV68 16P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *FARMERS; *TOBACCO; *AGRICULTURAL PRODUCTION; PLANT SCIENCE; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO GROW TOBACCO. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING THAT A FERTILE SOIL IS NECESSARY TO PRODUCE LARGE YIELDS OF HIGH-QUALITY TOBACCO, (2) FERTILIZING THE TOBACCO CROP, (3) PREPARING LAND FOR TOBACCO, (4) TRANSPLANTING TOBACCO, (5) CULTIVATING TOBACCO, (6) CONTROLLING INSECTS THAT INJURE TOBACCO IN THE FIELDS, (7) CONTROLLING DISEASES THAT DAMAGE TO THE TOBACCO IN THE FIELD, AND (8) TOPPING TOBACCO AND CONTROLLING SUCKERS. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS ARE VT 010 044-VT 010 047, ALL IN THIS ISSUE. (DM)

VT 010 046
VICE, BILLY J.; SPILLMAN, ROBERT
TOBACCO; UNIT (MODULE): PRODUCING TOBACCO PLANTS.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - AUG68 11P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *TOBACCO; *AGRICULTURAL PRODUCTION; *FARMERS; PLANT SCIENCE; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS TO PRODUCE ENOUGH GOOD PLANTS TO TRANSPLANT AT THE PROPER TIME. SPECIFIC COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING THE IMPORTANCE OF HAVING GOOD TOBACCO PLANTS, (2) LOCATING THE TOBACCO PLANT BED, (3) TREATING THE TOBACCO PLANT BED FOR WEED CONTROL, (4) FEEDING THE TOBACCO PLANT BED, (5) CONTROLLING INSECTS AND DISEASES IN THE TOBACCO PLANT BED, (6) REGULATING THE GROWTH OF THE TOBACCO PLANTS IN THE TOBACCO PLANT BED, AND (7) PROVIDING THE TOBACCO PLANT BEDS FOR NEXT YEAR. A LIST OF SUGGESTED REFERENCE AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. RELATED DOCUMENTS ARE VT 010 044-VT 010 047, ALL IN THIS ISSUE. (DM)

VT 010 047
VICE, BILLY J.; SPILLMAN, ROBERT
TOBACCO; UNIT (MODULE): HARVESTING, HOUSING, CURING, STRIPPING AND MARKETING TOBACCO.

KENTUCKY UNIV., LEXINGTON. DIV. OF VOCATIONAL
EDUCATION
PUB DATE - AUG68 18P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *TOBACCO; *AGRICULTURAL PRODUCTION; *FARMERS; TRANSPARENCIES; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO HARVEST, HOUSE, CURE, STRIP, AND MARKET BURLEY TOBACCO. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING THE IMPORTANCE OF PROPERLY HANDLING TOBACCO, (2) TIMING TOBACCO, (3) HARVESTING TOBACCO, (4) CARING FOR TOBACCO DURING CURING, (5) USING GOOD PRACTICES IN STRIPPING AND SORTING, AND (6) MARKETING TOBACCO. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. THREE TRANSPARENCY MASTERS ARE APPENDED. RELATED DOCUMENTS ARE VT 010 044-VT 010 046, ALL IN THIS ISSUE. (DM)

VT 010 048
SPILLMAN, ROBERT
FARM ANIMALS; UNIT (MODULE): FEEDING LIVESTOCK.

KENTUCKY UNIV., LEXINGTON. DEPT. OF
VOCATIONAL EDUCATION
PUB DATE - NOV68 26P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; ANIMAL SCIENCE; *NUTRITION; *AGRICULTURAL PRODUCTION; *LIVESTOCK; FARMERS; TRANSPARENCIES; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DESIGNED BY AN INSTRUCTIONAL MATERIALS SPECIALIST FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO FEED LIVESTOCK EFFICIENTLY. COMPETENCIES TO BE DEVELOPED INCLUDE: (1) UNDERSTANDING THE IMPORTANCE OF GOOD FEEDING PRACTICES, (2) IDENTIFYING THE NUTRIENT NEEDS OF FARM ANIMALS, (3) UNDERSTANDING HOW FARM ANIMALS USE THEIR FEED, (4) USING PASTURE EFFECTIVELY IN FEEDING LIVESTOCK, (5) USING HARVESTED FORAGES TO THE BEST ADVANTAGE IN FEEDING LIVESTOCK, (6) FEEDING GRAIN PROPERLY TO LIVESTOCK, (7) USING PROTEIN SUPPLEMENT TO THE BEST ADVANTAGE IN FEEDING LIVESTOCK, (8) PROVIDING THE NECESSARY MINERALS FOR LIVESTOCK, (9) PROVIDING CLEAN WATER IN SUFFICIENT AMOUNTS FOR LIVESTOCK, (10) SUPPLYING LIVESTOCK WITH ADEQUATE VITAMINS, (11) USING FEED ADDITIVES PROPERLY IN LIVESTOCK RATIONS, AND (12) USING THE BEST METHODS OF FEEDING FARM ANIMALS ACCORDING TO THEIR NEEDS. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH

EACH DISCUSSION UNIT. TRANSPARENCY MASTERS ENTITLED: "FEED, THE BIGGEST EXPENSE IN LIVESTOCK PRODUCTION" AND "RETURNS ABOVE FEED COSTS GREATEST DURING PASTURE MONTHS" ARE APPENDED. (DM)

VT 010 049
FIRICH, MICHAEL; SPILLMAN, ROBERT
FARM ANIMALS; UNIT (MODULE): HOG PRODUCTION.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION
PUB DATE - MAR69 35P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *SWINE; AGRICULTURAL PRODUCTION; *FARMERS; ANIMAL SCIENCE; LIVESTOCK; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); INSTRUCTIONAL MATERIALS

ABSTRACT - DESIGNED BY INSTRUCTIONAL MATERIALS SPECIALISTS FOR USE BY TEACHERS IN LESSON PLANNING FOR HIGH SCHOOL VOCATIONAL AGRICULTURE, THIS REFERENCE CONTAINS SUGGESTIONS FOR TEACHING STUDENTS HOW TO PRODUCE HOGS EFFICIENTLY FOR MAXIMUM PROFIT. SUGGEST COMPETENCIES TO BE DEVELOPED INCLUDE: (1) DETERMINING THE POSSIBLILTIES IN PRODUCING HOGS, (2) SECURING BREEDING ANIMALS THAT WILL INCREASE PRODUCTION, (3) BREEDING HOGS, (4) FEEDING HOGS DURING THE BREEDING SEASON AND CARING FOR SOWS PROPERLY DURING GESTATION AND THROUGH FARROWING, (7) RAISING PIGS FROM BIRTH UNTIL THEY ARE MARKETED, (8) CONTROLLING COMMON PARASITES AND DISEASES OF HOGS, (9) PROVIDING FACILITIES NEEDED FOR EFFICIENT HOG PRODUCTION, (10) USING RECORDS IN IMPROVING THE HOG BUSINESS, AND (11) MARKETING HOGS EFFICIENTLY. SEVEN PAGES SUITABLE FOR REPRODUCTION AS TRANSPARENCY MASTERS OR OTHER INSTRUCTIONAL MATERIALS ARE APPENDED. A LIST OF SUGGESTED REFERENCES AND INSTRUCTIONAL MATERIALS IS INCLUDED WITH EACH DISCUSSION UNIT. A RELATED DOCUMENT IS VT 010 048, ALSO IN THIS ISSUE. (DM)

VT 010 167
HOLMES, J.S.
COMMON FOREST TREES OF NORTH CAROLINA; HOW TO KNOW THEM. A POCKET MANUAL.

NORTH CAROLINA STATE DEPT. OF CONSERVATION AND DEVELOPMENT, RALEIGH. DIV. OF FORESTRY
NORTH CAROLINA FOREST SERVICE, P.O. BOX 2719, RALEIGH, NORTH CAROLINA 27602 ($.25).
PUB DATE - 67 89P.

DESCRIPTORS - *RESOURCE MATERIALS; *REFERENCE MATERIALS; *AGRICULTURAL EDUCATION; *TREES; *FORESTRY; CLASSIFICATION

ABSTRACT - PREPARED BY A FORMER STATE FORESTER FOR THE NORTH CAROLINA DEPARTMENT OF CONSERVATION AND DEVELOPMENT, DIVISION OF FORESTRY, THIS HANDBOOK IS INTENDED FOR USE AS A REFERENCE IN IDENTIFYING COMMON NORTH CAROLINA TREES. BLACK-AND-WHITE ILLUSTRATIONS AND BRIEF DESCRIPTIVE INFORMATION ON APPEARANCE, DISTINGUISHING CHARACTERISTICS, AND TYPES OF AREA AND CONDITIONS CONDUCIVE TO THEIR OCCURRANCE ARE GIVEN FOR OVER 200 DIFFERENT TREES. LISTS OF LESS IMPORTANT TREES AND EXOTIC TREES FOUND IN THE STATE ARE ALSO INCLUDED. ENTRIES ARE INDEXED ALPHABETICALLY BY COMMON NAME; SCIENTIFIC NAMES ARE ALSO SUPPLIED FOR ALL. (AW)

VT 010 229
DOWNER, HOWARD I.
A GUIDE FOR USE IN PLANNING OCCUPATIONAL EDUCATION PROGRAMS IN AGRICULTURAL RESOURCES; RECOMMENDATIONS FOR PLANNING A COURSE OF STUDY.

TENNESSEE UNIV., MARTIN
PUB DATE - 69 12P.

DESCRIPTORS - *PROGRAM GUIDES; *PROGRAM PLANNING; PROGRAM DESIGN; VOCATIONAL AGRICULTURE; *OCCUPATIONAL INFORMATION; *OFF FARM AGRICULTURAL OCCUPATIONS; CONSERVATION EDUCATION; *NATURAL RESOURCES; PLANT SCIENCE; ANIMAL SCIENCE; SOIL SCIENCE; WATER RESOURCES; AIR POLLUTION CONTROL; SECONDARY GRADES; AREA VOCATIONAL SCHOOLS

ABSTRACT - FOR USE IN PLANNING OCCUPATIONAL EDUCATION PROGRAMS IN AGRICULTURAL RESOURCES FOR HIGH SCHOOLS OR AREA VOCATIONAL SCHOOLS, THIS GUIDE INCLUDES: (1) A SUGGESTED COURSE OF STUDY LISTING AREAS OF INSTRUCTION, NUMBER OF PERIODS, AND GRADE LEVEL, (2) A LIST OF OCCUPATIONAL TITLES IN THE AGRICULTURAL RESOURCES FIELD, ARRANGED UNDER THE GENERAL HEADINGS OF CONSERVATION, PROTECTION AND REGULATION, AND RECREATIONAL UTILIZATION, AND INCLUDING "DICTIONARY OF OCCUPATIONAL TITLES" CODES, (3) INFORMATION ON PROGRAM ESTABLISHMENT, COVERING ORGANIZATION AND ADMINISTRATIVE PROCEDURES, AND (4) A LISTING OF INSTRUCTIONAL UNITS PRESENTED IN OUTLINE FORM. GENERAL CATEGORIES OF THE INSTRUCTIONAL OUTLINE ARE (1) OCCUPATIONAL INFORMATION AND ORIENTATION, (2) APPLIED PLANT SCIENCE, (3) ANIMAL SCIENCE, (4) WATER MANAGEMENT PRACTICES, (5) SOIL MANAGEMENT PRACTICES, (6) AIR POLLUTION PROTECTION PRACTICES, (7) BUSINESS MANAGEMENT PROCEDURES, AND (8) APPLIED MECHANICS FOR RESOURCE OCCUPATIONS. (AW)

VT 010 231
SUGGESTIONS FOR INTEGRATING FORESTRY IN THE MODERN CURRICULUM; A CONSERVATION TEACHING AID.

DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST SERVICE
PUB DATE - SEP68 4P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *CONSERVATION EDUCATION; *FORESTRY; ELEMENTARY GRADES; SECONDARY GRADES

ABSTRACT - THIS PUBLICATION WAS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE, FOREST SERVICE, FOR USE AS A CONSERVATION TEACHING AID. SET UP IN OUTLINE FORM, IT PRESENTS SUGGESTIONS FOR INTRODUCING AND INTEGRATING FORESTRY INTO THE ACADEMIC CURRICULUM ON THE ELEMENTARY, JUNIOR HIGH, AND SENIOR HIGH LEVELS. THE VERTICAL MARGIN OF THE OUTLINE LISTS BASIC FUNCTIONS, ACTIVITIES, AND PROBLEMS OF LIVING (SUCH AS MAKING A HOME, EARNING A LIVING, CONSERVING AND IMPROVING

PHYSICAL CONDITIONS, AND RECREATIONAL ACTIVITIES), WHILE THE HORIZONTAL MARGIN IDENTIFIES THE ACADEMIC LEVEL AND THE ASPECTS OF FORESTRY TO BE EMPHASIZED IN EACH ONE. THE ELEMENTARY CURRICULUM STRESSES THE INFLUENCE OF THE FOREST UPON LIFE IN THE HOME, SCHOOL, AND COMMUNITY; THE JUNIOR HIGH CURRICULUM EMPHASIZES INDIVIDUAL ADAPTATION TO THE SOCIAL AND PHYSICAL ENVIRONMENT; AND THE SENIOR HIGH LEVEL IS CONCERNED WITH UNDERSTANDING, CONTROLLING, AND IMPROVING GROUP RELATIONSHIPS AND TRENDS IN MODERN SOCIETY. SUGGESTIONS FOR USING AND ADAPTING THE OUTLINE TO MEET LOCAL NEEDS ARE INCLUDED. (AW)

VT 010 249
DALTON, L.C.; RICHARDSON, JOE A.
ARC WELDING IN VOCATIONAL AGRICULTURE.
SUGGESTED LESSON PLANS.

NEW MEXICO STATE UNIV., UNIVERSITY PARK.
AGRICULTURAL EDUCATION
STATE DEPARTMENT OF AGRICULTURE EDUCATION,
130 SOUTH CAPITOL STREET, SANTA FE, NEW
MEXICO 87501 (SINGLE COPIES AVAILABLE).
PUB DATE - 69 23P.

DESCRIPTORS - *LESSON PLANS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING;*WELDING; *TEACHING GUIDES

ABSTRACT - THESE LESSON PLANS AND SHOP EXERCISES ARE FOR USE BY VOCATIONAL AGRICULTURE INSTRUCTORS IN TEACHING ARC WELDING TO BEGINNING AGRICULTURAL MECHANICS CLASSES. LESSONS ARE ON BECOMING FAMILIAR WITH THE ARC WELDER, STRIKING THE ARC AND RUNNING BEADS, AND PIPE WELDING. SHOP EXERCISES INCLUDE: (1) BASIC MANIPULATION OF THE ARC, (2) STARTING THE ARC, (3) BUTT WELDING IN FLAT POSITION, (4) FILLET WELDING IN HORIZONTAL AND FLAT POSITION, (5) CUTTING METAL WITH SHIELDED ARC ELECTRODE, (6) WELDING PIPE, AND (7) ARC WELDING PROJECTS. LESSON PLANS PROVIDE OBJECTIVES, REFERENCES, MOTIVATION, STUDY QUESTIONS, INFORMATION SUMMARY, AND TEACHING SUGGESTIONS, AND SHOP EXERCISES GIVE OBJECTIVES, REFERENCES, SHOP TIME, PRACTICE TIME AND MATERIALS, AND PROCEDURES. NUMEROUS LINE DRAWINGS AND DIAGRAMS ILLUSTRATE THE GUIDE. (AW)

VT 010 250
DALTON, L.C.; RICHARDSON, JOE A.
GASOLINE ENGINES IN VOCATIONAL AGRICULTURE.
SUGGESTED LESSON PLANS.

NEW MEXICO STATE UNIV., UNIVERSITY PARK.
AGRICULTURAL EDUCATION
STATE DEPARTMENT OF AGRICULTURE EDUCATION,
130 SOUTH CAPITAL STREET, SANTA FE, NEW
MEXICO 87501 (SINGLE COPIES AVAILABLE).
PUB DATE - 69 10P.

DESCRIPTORS - *TEACHING GUIDES; *LESSON PLANS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ENGINES; AGRICULTURAL MACHINERY

ABSTRACT - THESE TEACHER-DEVELOPED LESSON PLANS ARE FOR USE BY VOCATIONAL AGRICULTURAL INSTRUCTORS IN TEACHING PRINCIPLES OF GASOLINE ENGINES TO ADVANCED AGRICULTURAL MECHANICS CLASSES. THE FIVE LESSON TOPICS ARE: (1) PRINCIPLES OF ENGINE OPERATION, (2) CARBURETION, (3) TWO-STROKE CYCLE ENGINES, (4) FOUR-STROKE CYCLE ENGINE, AND (5) DISSASSEMBLE AND REASSEMBLE A GAS ENGINE. PLANS INCLUDE OBJECTIVES, MOTIVATION, STUDY QUESTIONS, INFORMATION SUMMARY, AND TEACHING SUGGESTIONS. (AW)

VT 010 251
DALTON, L.C.; RICHARDSON, JOE A.
COLD METAL WORK IN VOCATIONAL AGRICULTURE.
SUGGESTED LESSON PLANS.

NEW MEXICO STATE UNIV., UNIVERSITY PARK.
AGRICULTURAL EDUCATION
STATE DEPARTMENT OF AGRICULTURE EDUCATION,
130 SOUTH CAXITOL STREET, SANTA FE, NEW
MEXICO 87501 (SINGLE COPIES AVAILABLE).
PUB DATE - ND 8P.

DESCRIPTORS - *LESSON PLANS; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *METAL WORKING OCCUPATIONS; METALS

ABSTRACT - THIS TEACHER-DEVELOPED BULLETIN IS COMPRISED OF FIVE SUGGESTED LESSON PLANS FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN ADVANCED AGRICULTURAL MECHANICS COURSES. UNDER THE UNIT TOPIC "COLD METAL WORK," LESSONS COVER (1) IDENTIFYING KINDS OF METAL, (2) CUTTING METAL, (3) DRILLING METAL, (4) BENDING METAL, AND (5) THREADING. LESSON PLANS INCLUDE OBJECTIVES, REFERENCES, STUDY QUESTIONS, SUMMARY OF INFORMATION, AND TEACHING SUGGESTIONS. (AW)

VT 010 252
DALTON, L.C.; RICHARDSON, JOE A.
WOODWORKING IN VOCATIONAL AGRICULTURE.
SUGGESTED LESSON PLANS.

NEW MEXICO STATE UNIV., UNIVERSITY PARK.
AGRICULTURAL EDUCATION
STATE DEPARTMENT OF AGRICULTURE EDUCATION,
130 SOUTH CAPITOL STREET, SANTA FE, NEW
MEXICO 87501 (SINGLE COPIES AVAILABLE).
PUB DATE - 69 14P.

DESCRIPTORS - *TEACHING GUIDES; *LESSON PLANS; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; *WOODWORKING

ABSTRACT - THESE LESSON PLANS ARE FOR USE BY VOCATIONAL AGRICULTURE INSTRUCTORS IN TEACHING WOODWORKING TO BEGINNING AGRICULTURAL MECHANICS CLASSES. LESSONS INCLUDE: (1) USE OF HANDSAWS AND PLANES, (2) USING MEASURING DEVICES, (3) USING HAND POWER SAW, (4) TABLE SAW, (5) THE RADIAL ARM SAW, (6) FASTENERS, (7) BORING AND DRILLING, AND (8) CHISELS. PLANS PROVIDE OBJECTIVES, REFERENCES, MOTIVATION, STUDY QUESTIONS, SUMMARY OF INFORMATION, AND TEACHING SUGGESTIONS. (AW)

VT 010 255
DALTON, L.C.; RICHARDSON, JOE A.
OVERHEAD PROJECTION; TRANSPARENCY MASTERS FOR
VOCATIONAL AGRICULTURE (INCLUDING SUPPLEMENTS
I-III).

NEW MEXICO STATE UNIV., UNIVERSITY PARK. AGRICULTURAL EDUCATION
STATE DEPARTMENT OF AGRICULTURE EDUCATION, 130 SOUTH CAPITOL STREET, SANTA FE, NEW MEXICO 87501 (SINGLE COPIES AVAILABLE).
PUB DATE - ND 243P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; INSTRUCTIONAL AIDS; ANIMAL SCIENCE; SOIL SCIENCE; *AGRICULTURAL MACHINERY; *ENGINES; EQUIPMENT; PLANT SCIENCE; WELDING; ELECTRICITY

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE TRANSPARENCY MASTERS MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING COURSES IN AGRICULTURAL MECHANICS. VARIOUS SUGGESTIONS FOR USING THE MASTERS ARE GIVEN, INCLUDING TRACING OF MASTERS FOR CHALKBOARDS AND DISPLAYS AND DUPLICATION FOR STUDENT HANDOUTS OR TESTING. THE INITIAL SERIES AND SUPPLEMENTS INCLUDE MASTERS RELATING TO (1) CATTLE, (2) SWINE, (3) SHEEP, (4) HORSES, (5) RETAIL AND WHOLESALE MEAT CUTS, (6) PLANT SCIENCE, (7) INSECTS, PESTS, AND ANIMAL PARASITES, (8) ELECTRICITY, (9) WELDING, (10) LAND JUDGING, (11) WEED IDENTIFICATION AND CONTROL, (12) ANIMAL FEEDS, (13) MARKETING PROCEDURES, (14) AGRICULTURAL MACHINERY AND ENGINES, (15) FARM AND RANCH EQUIPMENT, (16) CROP EQUIPMENT, (17) TOOLS, (18) LAND MEASUREMENT, (19) SOIL SCIENCE, (20) FARM COSTS, AND (21) FUTURE FARMERS OF AMERICA. (AW)

VT 010 259
COURSE GUIDE FOR BASIC AGRICULTURAL MECHANICS. SERVICE BULLETIN NUMBER EIGHT.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX
STATE DEPARTMENT OF VOCATIONAL EDUCATION, AGRICULTURAL EDUCATION, 412 ARIZONA STATE BUILDING, PHOENIX, ARIZONA 85007 (NO CHARGE).
PUB DATE - 68 172P.

DESCRIPTORS - *CURRICULUM GUIDES; TEACHING GUIDES; *AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY; *AGRICULTURAL PRODUCTION; *EQUIPMENT; AGRICULTURAL MACHINERY OCCUPATIONS
IDENTIFIERS - ARIZONA

ABSTRACT - THIS TEACHER-DEVELOPED COURSE GUIDE WILL AID VOCATIONAL AGRICULTURE INSTRUCTORS IN PLANNING AND TEACHING BASIC AGRICULTURAL MECHANICS. DESIGNED FOR USE IN THE FIRST 2 YEARS OF THE VOCATIONAL AGRICULTURE PROGRAM, THESE UNITS OF INSTRUCTION PROVIDE A BROAD BASE OF MECHANICAL KNOWLEDGE, SKILLS, AND ABILITIES AS A FOUNDATION FOR MORE ADVANCED INSTRUCTION EITHER IN PRODUCTION AGRICULTURE OR IN A SPECIALIZED AREA OF AGRICULTURAL TRAINING. TITLES OF THE 16 INSTRUCTIONAL UNITS INCLUDE: (1) MAKING AND USING DRAWINGS AND PLANS, (2) TOOL CONDITIONING, (3) COLD METAL WORK, (4) PIPEWORK, (5) SOLDERING AND SHEET METAL WORK, (6) HOT METAL WORK, (7) ARC WELDING, (8) USING ELECTRICITY, AND (9) TRACTOR OPERATION. OBJECTIVES, ABILITIES TO BE DEVELOPED, TEACHING-LEARNING ACTIVITIES, REFERENCES, AND JOB OPERATION SHEETS ARE PROVIDED FOR MOST UNITS, WITH SAFETY PRECAUTIONS INCLUDED FOR SEVERAL. (AW)

VT 010 292
FARMWORK, SAFETY, AND YOU. A SUGGESTED DISCUSSION FOR YOUTH LEADERS, TEACHERS, COUNSELORS, WORK SUPERVISORS, AND OTHERS TO USE IN REVIEWING FARM SAFETY PRACTICES WITH EMPLOYED YOUTH.

BUREAU OF LABOR STANDARDS (DOL), WASHINGTON, D.C.
BULLETIN 249
PUB DATE - NOV62 34P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL EDUCATION; *AGRICULTURAL SAFETY; *SAFETY EDUCATION; *YOUTH EMPLOYMENT; INSTRUCTIONAL MATERIALS; FARM OCCUPATIONS; AGRICULTURAL LABORERS; COURSE CONTENT; COURSE OBJECTIVES

ABSTRACT - INTENDED FOR YOUTH LEADERS, TEACHERS, COUNSELORS, WORK SUPERVISORS, AND OTHERS TO USE DURING SAFETY TRAINING SESSIONS FOR YOUNG FARM EMPLOYEES, THESE MATERIALS WERE DEVELOPED BY THE U.S. DEPARTMENT OF LABOR'S ADVISORY SAFETY COMMITTEE ON FARM EMPLOYED YOUTH IN COOPERATION WITH SEVERAL AGRICULTURAL ORGANIZATIONS. THE MATERIALS CONSIST OF AN INSTRUCTOR'S GUIDE, A GENERAL DISCUSSION, AND A DISCUSSION OUTLINE. TOPICS ARE: (1) INTRODUCTION, (2) IMPORTANCE OF FARMWORK, (3) WHY SAFETY NEEDS TO BE CONSIDERED, (4) SAFETY: A CHALLENGE, (5) GENERAL HAZARDS, AND (6) REVIEW AND CLASS DISCUSSION. THE PURPOSES OF THE DISCUSSION, SUGGESTED INSTRUCTIONAL MATERIALS, AND PROCEDURAL SUGGESTIONS ARE INCLUDED. (GB)

VT 010 294
ADLER, ALBERT M.; FISHER, EDWARD LEE
CURRICULUM DEVELOPMENT UNIT NO. 2; A NON-GRADED AND EXPERIMENTAL TEACHING UNIT ON AGRICULTURAL ECONOMICS. PROJECT PROBE.

ONEONTA CONSOLIDATED SCHOOL DISTRICT, N.Y.
CATSKILL AREA SCHOOL STUDY COUNCIL, ONEONTA, N.Y.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
PUB DATE - FEB69 30P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *RURAL ECONOMICS; *PROBLEMS; RURAL EDUCATION; RURAL AREAS; RURAL YOUTH; SECONDARY GRADES; UNITS OF STUDY (SUBJECT FIELDS); COURSE OBJECTIVES; BIBLIOGRAPHIES

ABSTRACT - THE PURPOSE OF THIS TEACHING GUIDE IS TO PROVIDE STUDENTS IN A RURAL AREA AN ECONOMIC COURSE OF STUDY BASED ON THEIR PARTICULAR NEEDS AND GOALS AND EMPHASIZING PROBLEMS OF AGRICULTURE WHICH ARE PERTINENT TO THESE STUDENTS AND THE COMMUNITY. PREPARED BY TWO TEACHERS IN THE PROJECT PROBE AREA AT DAVENPORT, NEW YORK, THE UNIT IS NOT INTENDED FOR A SPECIFIC GRADE. THE FOLLOWING TOPICS ARE INCLUDED IN THE UNIT OUTLINE: (1) INTRODUCTION TO AGRICULTURE, (2) PROBLEMS IN AGRICULTURE, (3) THE FARMER AND THE FARM PROBLEM, AND (4) GOVERNMENT AID TO FARMERS.

STUDENT ACTIVITIES, A UNIT TEST, AND SEPARATE BIBLIOGRAPHIES FOR STUDENTS AND FOR TEACHERS ARE SUGGESTED FOR THE GUIDE. (GB)

VT 010 335
SMALL GASOLINE ENGINES; STUDENT HANDBOOK.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
DEPT. OF AGRICULTURAL EDUCATION.
TEACHER EDUCATION SERIES, V 10, N 4 (S), 1969
DEPARTMENT OF AGRICULTURAL EDUCATION,
PENNSYLVANIA STATE UNIVERSITY, 101
AGRICULTURAL EDUCATION BUILDING, UNIVERSITY
PARK, PENNSYLVANIA 16802 ($1.25).
PUB DATE - 69 80P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *ENGINES; SECONDARY GRADES; POST SECONDARY EDUCATION; *AGRICULTURAL EDUCATION

ABSTRACT - WRITTEN BY AN ASSISTANT PROFESSOR AND A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION, THIS STUDY GUIDE IS FOR USE IN HIGH SCHOOL, POST-SECONDARY, OR ADULT VOCATIONAL AGRICULTURE CLASSES STUDYING AGRICULTURAL MECHANICS. CONTENTS OF THE 40-HOUR COURSE COVER SEVEN PROBLEM AREAS, WITH CLASSROOM AND/OR LABORATORY EXERCISES GIVEN FOR EACH. AREAS COVERED ARE: (1) LEARNING TO USE MEASURING DEVICES, (2) ENGINES OPERATION AND COMPRESSION, (3) IGNITION, (4) CARBURETION, (5) ENGINE REASSEMBLY, (6) PREVENTATIVE MAINTENANCE, AND (7) TROUBLE SHOOTING. A GLOSSARY AND A SECTION ON SMALL GASOLINE ENGINE ANALYSIS ARE ALSO PROVIDED, AND THE MANUAL IS ILLUSTRATED WITH NUMEROUS DIAGRAMS AND LINE DRAWINGS. SUPPLEMENTARY MATERIALS ARE NECESSARY WHEN STUDYING THE TOPIC. THE MANUAL IS A REVISION OF VT 001 415 (AIM WINTER 1968). (AW)

VT 010 341
ROEHL, GILES L.
HAY BALER SERVICE, REPAIR AND MAINTENANCE, RESOURCE UNIT FOR VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL.
MINNESOTA RESEARCH COORDINATING UNIT IN
OCCUPATIONAL EDUCATION, MINNEAPOLIS
PUB DATE - ND 19P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY; *COURSE OBJECTIVES; SECONDARY GRADES; EQUIPMENT MAINTENANCE; RESOURCE UNITS; EQUIPMENT; AGRICULTURAL SAFETY; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS RESOURCE UNIT WAS PREPARED BY A VOCATIONAL AGRICULTURE INSTRUCTOR FOR VOCATIONAL AGRICULTURE TEACHERS CONDUCTING COURSES IN AGRICULTURAL MACHINERY. THE UNIT INCLUDES: (1) INTRODUCTION, (2) SUGGESTIONS TO THE INSTRUCTOR INCLUDING A LIST OF RESOURCE MATERIALS AND ADDRESSES OF SOME MACHINERY MANUFACTURERS, (3) UNIT OBJECTIVES, AND (4) ANSWERS TO STUDY QUESTIONS FOUND IN THE STUDENT WORKBOOK AVAILABLE AS VT 010 371 (ALSO IN THIS ISSUE). APPENDED IS A BALER BUYING GUIDE LISTING BRAND NAMES, SPECIFICATIONS AND PRICES. (GB)

VT 010 342
INGVALSON, BRIAN I.
MATERIALS HANDLING, RESOURCE UNIT FOR VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL.
MINNESOTA RESEARCH COORDINATING UNIT IN
OCCUPATIONAL EDUCATION, MINNEAPOLIS
PUB DATE - ND 11P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY; *COURSE OBJECTIVES; RESOURCE UNITS; MECHNICAL EQUIPMENT; COURSE CONTENT; SECONDARY GRADES

ABSTRACT - COVERING THE HANDLING OF MATERIALS IN AGRICULTURAL PRODUCTION AND PROCESSING, THIS TEACHER RESOURCE UNIT INCLUDES: (1) A LISTING OF NECESSARY SUPPLEMENTARY TEXTS AND REFERENCES, (2) COURSE OBJECTIVES, AND (3) ANSWERS TO STUDY QUESTIONS INCLUDED IN THE STUDENT WORKBOOKS, AVAILABLE AS VT 010 343 (ALSO IN THIS ISSUE). (GB)

VT 010 343
INGVALSON, BRIAN I.
MATERIALS HANDLING, STUDENT WORKBOOK FOR VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL.
MINNESOTA RESEARCH COORDINATING UNIT IN
OCCUPATIONAL EDUCATION, MINNEAPOLIS
PUB DATE - ND 27P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *WORKBOOKS; *AGRICULTURAL MACHINERY; COURSE OBJECTIVES; SECONDARY GRADES; RESOURCE UNITS; MECHANICAL EQUIPMENT; COURSE CONTENT

ABSTRACT - THIS STUDENT WORKBOOK WAS DEVELOPED BY A VOCATIONAL AGRICULTURE INSTRUCTOR FOR STUDENTS OF VOCATIONAL AGRICULTURE STUDYING MATERIALS HANDLING EQUIPMENT. LESSONS ARE: (1) CLOSED LOOP HANDLING SYSTEMS, (2) FLOW PRINCIPLES AND MATCHING COMPONENTS FOR MATERIALS FLOW, (3) LAYOUT AND VARIATIONS, (4) FLIGHT CONVEYORS, (5) AUGERS, (6) BLOWERS, (7) FLAT BELT PULLEY RATIOS, (8) "V" BELT SPEED CALCULATIONS, (9) GEAR RATIOS, (10) INTERPRETING CHARTS AND GRAPHS, (11) PRESENT FARMSTEAD DRAWING, AND (12) PROPOSED MATERIALS HANDLING SYSTEMS. OBJECTIVES AND QUESTIONS FOR STUDY AND DISCUSSION ARE LISTED IN EACH LESSON. A RELATED DOCUMENT IS AVAILABLE AS VT 010 342 (ALSO IN THIS ISSUE). (GB)

VT 010 360
THE INTERNAL COMBUSTION ENGINE, AN INSTRUCTIONAL UNIT FOR VOCATIONAL AGRICULTURE. TEACHER'S MANUAL.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, COLLEGE
OF AGRICULTURE, UNIVERSITY OF ARIZONA,
TUCSON, ARIZONA 85721.
PUB DATE - JAN69 119P.

DESCRIPTORS - *POWER MECHANICS; AGRICULTURAL MACHINERY; *VOCATIONAL AGRICULTURE;

*AGRICULTURAL ENGINEERING; GRADE 11; GRADE 12; *INSTRUCTIONAL MATERIALS; *RESOURCE GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *AUTO MECHANICS

ABSTRACT - THIS RESOURCE UNIT IS FOR TEACHER USE IN PLANNING A UNIT ON INTERNAL COMBUSTION ENGINE OPERATION FOR JUNIOR OR SENIOR STUDENTS OF VOCATIONAL AGRICULTURE IN THE POWER AND MACHINERY PHASE OF A PROGRAM IN AGRICULTURAL MECHANIZATION. THE 12 TEACHING UNITS INCLUDE OBJECTIVES, INTRODUCTION, QUESTIONS FOR STUDY AND DISCUSSION, SUPERVISED STUDY, REVIEW TECHNIQUES, REFERENCES, AND A UNIT TEST. ADDITIONAL INFORMATION INCLUDES: (1) RECOMMENDED TEACHING PROCEDURES AND POLICIES, (2) REQUIRED STUDENT REFERENCE LITERATURE, (3) TEACHER'S INSTRUCTIONAL MATERIALS AND VISUALS, (4) SOURCES OF INSTRUCTIONAL MATERIALS, (5) RECOMMENDED EQUIPMENT LIST, AND (6) A SUGGESTED ENGINE STORAGE SYSTEM. (GR)

VT 010 361
LEAMER, THOMAS C.; STEVENS, GLENN Z.
AGRICULTURAL RESOURCES: A COURSE DESIGNED FOR HIGH SCHOOL STUDENTS. TEACHER EDUCATION RESEARCH SERIES, VOLUME 10, NUMBER 1.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION.
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. BUREAU OF VOCATIONAL, TECHNICAL, AND CONTINUING EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, PENNSYLVANIA STATE UNIVERSITY, 101 AGRICULTURAL EDUCATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($.50).
PUB DATE - 69 34P.

DESCRIPTORS - *TEACHING GUIDES; CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *NATURAL RESOURCES; *CONSERVATION EDUCATION; OCCUPATIONAL INFORMATION; SOIL CONSERVATION; SOIL SCIENCE; WATER RESOURCES; WILDLIFE MANAGEMENT; FORESTRY; RECREATION; AIR POLLUTION CONTROL; AGRICULTURAL ENGINEERING; *OFF FARM AGRICULTURAL OCCUPATIONS; MANAGEMENT

ABSTRACT - THIS GUIDE IS DESIGNED TO AID HIGH SCHOOL VOCATIONAL AGRICULTURE TEACHERS IN PLANNING AND PRESENTING COURSES IN AGRICULTURAL RESOURCES. FOLLOWING A GENERAL COURSE OUTLINE GIVING UNIT BREAKDOWNS AND RECOMMENDED TIME ALLOTMENT PER UNIT, TEACHING PLANS ARE GIVEN FOR: (1) OCCUPATIONS IN AGRICULTURAL RESOURCES, (2) SOIL, SOIL CONSERVATION AND SOIL FERTILITY, (3) WATER MANAGEMENT, (4) AIR POLLUTION CONTROL, (5) FOREST RECREATION BUSINESS MANAGEMENT, (6) WILDLIFE MANAGEMENT, (7) AGRICULTURAL RESOURCE BUSINESS MANAGEMENT, AND (8) AGRICULTURAL RESOURCE MECHANICS. EACH PLAN INCLUDES TEACHER OBJECTIVES, TEACHER PREPARATION, SUGGESTED LEARNING ACTIVITIES, AND REFERENCES, AND THE SECTION ON OCCUPATIONS ALSO PROVIDES A LIST OF JOB TITLES IN THE FIELD. A BIBLIOGRAPHY OF REFERENCES, PERIODICALS, AND FILM SOURCES, AND SELECTED TEST QUESTIONS IN AGRICULTURAL RESOURCES ARE ALSO INCLUDED. (AW)

VT 010 362
CURTIS, SAMUEL L.
LEGAL PRINCIPLES FOR FARM MANAGERS, A TEACHER'S UNIT PLAN. TEACHER EDUCATION SERIES VOLUME 9, NUMBER 5T 1968.

PENNSYLVANIA YOUNG FARMERS ASSOCIATION
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. BUREAU OF VOCATIONAL, TECHNICAL, AND CONTINUING EDUCATION
DEPARTMENT OF AGRICULTURAL EDUCATION, PENNSYLVANIA STATE UNIVERSITY, 101 AGRICULTURAL EDUCATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.25).
PUB DATE - 68 72P.

DESCRIPTORS - *TEACHING GUIDES; CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; LESSON PLANS; *UNIT PLAN; UNITS OF STUDY (SUBJECT FIELDS); *LAW INSTRUCTION; *FARM MANAGEMENT; LEGAL PROBLEMS; LEGAL RESPONSIBILITY; SECONDARY GRADES; ADULT FARMER EDUCATION

ABSTRACT - PREPARED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION WITH THE AID OF AN ATTORNEY, THIS UNIT PLAN IS FOR USE IN TEACHING FARM LAW IN AN 18-HOUR COURSE TO HIGH SCHOOL AND ADULT AGRICULTURE STUDENTS TO MEET THE NEED FOR FARMER-BUSINESSMEN TO BE MORE AWARE OF LAW. THE NINE LESSON PLANS, EACH GIVING OBJECTIVES, LEARNING ACTIVITIES, REFERENCES, AND A SUBJECT MATTER OUTLINE, ARE: (1) WILLS AND ESTATE PLANNING, (2) LIFE INSURANCE AND ESTATE PLANNING, (3) TRANSFERRING PROPERTY TO THE NEXT GENERATION, (4) CONTRACTS, (5) LIABILITY AND LIABILITY INSURANCE, (6) REAL ESTATE, (7) MOTOR VEHICLE LAWS RELATING TO FARM MACHINERY AND EQUIPMENT, (8) LAWS GOVERNING THE MARKETING OF FARM PRODUCTS, AND (9) WHERE LAW COMES FROM. A TEACHING SCHEDULE, TEACHING AIDS FOR EACH LESSON, AND REFERENCE MATERIALS NEEDED FOR THE UNIT SUPPLEMENT THE LESSON PLANS. SUGGESTIONS ARE ALSO INCLUDED FOR A FIELD TRIP TO A COURTHOUSE. THE UNIT CONTAINS NUMEROUS SAMPLE FORMS, CHARTS, AND RECORDS. (AW)

VT 010 363
OLIVER, J.D.
AGRICULTURAL COOPERATIVES; CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION.

VIRGINIA POLYTECHNIC INST., BLACKSBURG. AGRICULTURAL EDUCATION DIV.
PUBLICATION AB-1
PUB DATE - 69 33P.

DESCRIPTORS - *TEACHING GUIDES; LESSON PLANS; *COOPERATIVES; CURRICULUM GUIDES; *INSTRUCTIONAL MATERIALS; *AGRICULTURAL EDUCATION

ABSTRACT - PREPARED WITH THE ASSISTANCE OF PERSONNEL OF VIRGINIA POLYTECHNIC INSTITUTE AND EVALUATED BY TEACHERS OF AGRICULTURE, THIS GUIDE CONTAINS A SERIES OF TEACHING OUTLINES INTENDED TO AID AGRICULTURE TEACHERS IN LESSON PLANNING. TEACHER OBJECTIVES, INTRODUCTORY INFORMATION, GROUP OBJECTIVES, PROBLEMS AND CONCERNS OF STUDENTS, REFERENCES, VISUAL AIDS AND OTHER EQUIPMENT, CONTENT SUMMARIES, AND SUGGESTIONS FOR

SPECIAL ACTIVITIES AND APPLICATION AND EVALUATION ARE PROVIDED FOR THE FOLLOWING PROBLEM AREAS: (1) UNDERSTANDING THE NATURE OF COOPERATIVES, (2) COMPARING A COOPERATIVE WITH OTHER METHODS OF DOING BUSINESS, (3) ORGANIZING AND OPERATING COOPERATIVES, (4) FINANCING COOPERATIVES, AND (5) UNDERSTANDING THE TYPES OF COOPERATIVES AND THE SERVICES PROVIDED. (AW)

VT 010 369
PRACTICES IN ANIMAL SANITATION. SERVICE BULLETIN NUMBER SEVEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
PUB DATE - JUL66 19P.

DESCRIPTORS - *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *LIVESTOCK; *SANITATION; *DISEASE CONTROL; AGRICULTURAL PRODUCTION; ANIMAL SCIENCE

ABSTRACT - WRITTEN BY A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION, THIS BULLETIN IS INTENDED TO SERVE AS A REFERENCE FOR VOCATIONAL AGRICULTURE TEACHERS AND STUDENTS STUDYING UNITS ON LIVESTOCK SANITATION AND DISEASE. SECTION I COVERS SUCH GENERAL SANITATION PRACTICES AS: (1) SANITATION IN HOUSING FACILITIES, (2) METHODS OF DISINFECTION AND STERILIZATION, (3) CHEMICAL DISINFECTANT CHART, (4) CONTROL OF DISEASE TRANSPORT THROUGH APPLICATION OF SANITATION, (5) ISOLATION AS PART OF THE SANITATION PROGRAM, (6) CARCASS DISPOSAL, AND (7) CARE OF ANIMALS IMMEDIATELY BEFORE AND AFTER BIRTH. THE SECOND SECTION IS CONCERNED WITH SPECIFIC PRACTICES FOR SPECIFIC KINDS OF ANIMALS, INCLUDING SWINE, BEEF, SHEEP, DAIRY CATTLE, HORSES, AND DOGS AND CATS. INFORMATION ON WOUNDS AND THEIR TREATMENT IS ALSO GIVEN. THE BULLETIN ALSO PROVIDES A GLOSSARY AND A LIST OF SELECTED REFERENCES. THREE RELATED DOCUMENTS ARE AVAILABLE AS VT 001 012 AND VT 001 013 (BOTH IN AIM WINTER 1968) AND VT 010 397 (ALSO IN THIS ISSUE). (AW)

VT 010 371
ROEHL, GILES L.
HAY BALER SERVICE, REPAIR AND MAINTENANCE, STUDENT WORKBOOK FOR VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL.
MINNESOTA RESEARCH COORDINATING UNIT IN OCCUPATIONAL EDUCATION, MINNEAPOLIS
PUB DATE - ND 21P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *WORKBOOKS; *AGRICULTURAL MACHINERY; COURSE OBJECTIVES; SECONDARY GRADES; EQUIPMENT MAINTENANCE; EQUIPMENT; AGRICULTURAL SAFETY

ABSTRACT - THIS STUDENT WORKBOOK WAS WRITTEN AND REVISED BY VOCATIONAL AGRICULTURE INSTRUCTORS FOR STUDENTS OF VOCATIONAL AGRICULTURE STUDYING AGRICULTURAL MACHINERY. LESSONS ARE: (1) BALER SELECTION, (2) COST OF OWNING A BALER, (3) IDENTIFICATION OF BALER PARTS, (4) DRIVE MECHANISM, PICKUP AND FEEDER, (5) BALER CHAMBER AND PLUNGER, (6) THE KNOTTER AND KNOTTER ADJUSTMENT, (7) BALER SERVICE AND MAINTENANCE, (8) BALER SAFETY, AND (9) OPTIONAL BALER EQUIPMENT. INCLUDED IN EACH LESSON ARE OBJECTIVES AND QUESTIONS FOR STUDY AND DISCUSSION. A RELATED DOCUMENT IS AVAILABLE AS VT 010 341 (ALSO IN THIS ISSUE). (GB)

VT 010 372
DIRECTORY OF CONSERVATION EDUCATION IN MINNESOTA.

MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL
PUB DATE - 68 63P.

DESCRIPTORS - *DIRECTORIES; *CONSERVATION EDUCATION; *COURSES; SHORT COURSES; SEMINARS; NATURE CENTERS; WORKSHOPS; *REFERENCE MATERIALS; *INSTRUCTIONAL MATERIALS

ABSTRACT - THIS BROCHURE IS A COMPILATION OF DATA COLLECTED FROM AGENCIES, INSTITUTIONS, AND ORGANIZATIONS DURING THE WINTER OF 1967-1968 TO PROVIDE INFORMATION ABOUT THE KINDS OF CONSERVATION EDUCATION PROGRAMS AVAILABLE IN MINNESOTA. FIFTY-SEVEN PROGRAMS ARE LISTED, ARRANGED UNDER THE FOLLOWING CLASSIFICATIONS: (1) COURSES (BOTH CREDIT AND NON-COLLEGIATE), (2) WORKSHOPS, (3) TOURS, SHORT COURSES, AND SEMINARS, (4) NATURE STUDY CENTERS, SUCH AS ZOOLOGICAL GARDENS, PARKS AND MUSEUMS, AND (5) OTHERS, INCLUDING FARMS, FORESTS, CAMPS, AND CLUBS. THE TITLE AND TYPE OF CONSERVATION PROGRAM, NAME AND ADDRESS OF SPONSOR, LOCATION OF PROGRAM ACTIVITY, DATES OFFERED, DURATION OF PROGRAM, COSTS, LEVEL OF PARTICIPANTS, AND PERSON TO CONTACT FOR INFORMATION ARE PROVIDED FOR EACH PROGRAM LISTED. (AW)

VT 010 381
LOREEN, C.O.
AGRICULTURE II, BASIC AGRICULTURAL SCIENCE; A CURRICULUM GUIDE. SECTION A: AGRICULTURAL SCIENCE.

WASHINGTON STATE UNIV., PULLMAN. AGRICULTURAL EDUCATION.
WASHINGTON RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION, OLYMPIA
DEPARTMENT OF AGRICULTURAL EDUCATION,
WASHINGTON STATE UNIVERSITY, PULLMAN,
WASHINGTON 99163.
PUB DATE - 69 169P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; *ANIMAL SCIENCE; *PLANT SCIENCE; *SOIL SCIENCE; TRANSPARENCIES; COURSE CONTENT; INSTRUCTIONAL AIDS; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; AGRONOMY; FILMS; AGRICULTURAL OCCUPATIONS

ABSTRACT - TO ASSIST TEACHERS IN PROGRAM DEVELOPMENT AND TO INDICATE THE SCOPE OF INSTRUCTION IN AGRICULTURE, THIS CURRICULUM GUIDE OF AGRICULTURAL SCIENCE FOR VOCATIONAL AGRICULTURE STUDENTS, WAS DEVELOPED BY A PROFESSOR OF AGRICULTURAL EDUCATION AT WASHINGTON STATE UNIVERSITY. THE COURSE, TO BE COVERED IN 100 HOURS, INCLUDES THE FOLLOWING AREAS: (1) INDIVIDUAL STUDENT DEVELOPMENT, (2) ANIMAL SCIENCE, (3) PLANT SCIENCE, AND (4) SOIL SCIENCE. THE AREAS ARE

DIVIDED INTO UNITS, WITH EACH UNIT INCLUDING TOPICS FOR STUDY AND DISCUSSION, ACTIVITIES, TEACHING AIDS, FILMS AND A NUMBER OF TRANSPARENCY MASTERS. A RELATED DOCUMENT COVERING AGRICULTURAL MECHANICS IS AVAILABLE AS VT 010 382 (ALSO IN THIS ISSUE). (GB)

VT 010 382
WOOD, J.M.
AGRICULTURE II, BASIC AGRICULTURAL SCIENCE; A CURRICULUM GUIDE. SECTION B: AGRICULTURAL MECHANICS.

WASHINGTON STATE UNIV., PULLMAN. AGRICULTURAL EDUCATION.
WASHINGTON RESEARCH COORDINATING UNIT FOR VOCATIONAL EDUCATION, OLYMPIA
DEPARTMENT OF AGRICULTURAL EDUCATION, WASHINGTON STATE UNIVERSITY, PULLMAN, WASHINGTON 99163.
PUB DATE - 69 93P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *CURRICULUM GUIDES; *COURSE CONTENT; *AGRICULTURAL ENGINEERING; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; INSTRUCTIONAL AIDS; SECONDARY GRADES; FILMS; FILMSTRIPS; BUILDING MATERIALS; ELECTRICITY; PAINTING; PLUMBING

ABSTRACT - DEVELOPED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION WITH THE INVOLVEMENT OF SEVERAL TEACHERS OF VOCATIONAL AGRICULTURE, THIS CURRICULUM GUIDE WILL HELP TEACHERS OF VOCATIONAL AGRICULTURE DEVELOP AN EFFECTIVE PROGRAM IN AGRICULTURAL MECHANICS. AREAS ARE: (1) REVIEW, (2) AGRICULTURAL ELECTRICITY, (3) POWER TOOL USAGE AND SAFETY, (4) PAINTING AND GLAZING, (5) CONCRETE, (6) PIPE WORK, (7) TAP AND DIE, AND (8) HOME SHOP MANAGEMENT. UNITS IN THESE AREAS INCLUDE A LISTING OF OBJECTIVES, MATERIALS NEEDED, LESSON PROCEDURE, REFERENCES, VISUAL AIDS, AND TEACHER-STUDENT ACTIVITIES. THE SUGGESTED TIME SCHEDULE IS 70 HOURS. A RELATED DOCUMENT IS AVAILABLE AS VT 010 381 (ALSO IN THIS ISSUE). (GB)

VT 010 386
FARM ELECTRIFICATION STUDY MANUAL FOR VOCATIONAL AGRICULTURE STUDENTS; HANDBOOK ON THE APPLICATION OF ELECTRICITY TO FARM WORK.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
SALT RIVER PROJECT, PHOENIX, ARIZ.
PUB DATE - 58 42P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *ELECTRICITY; SECONDARY GRADES; AGRICULTURAL ENGINEERING; ELECTRIC MOTORS; ELECTRICAL SYSTEMS; ELECTRIC CIRCUITS; AGRICULTURAL SAFETY

ABSTRACT - MATERIAL FOR THIS STUDY MANUAL FOR VOCATIONAL AGRICULTURE STUDENTS STUDYING RURAL ELECTRIFICATION WAS PRESENTED TO VOCATIONAL AGRICULTURE TEACHERS DURING A WORKSHOP AND REVISED IN ACCORDANCE WITH THEIR COMMENTS. LESSONS ARE: (1) UNDERSTANDING THE VALUE OF ELECTRICITY ON THE FARM, (2) ELECTRICAL TERMS, (3) TERMS AND PROCEDURES FOR FIGURING OPERATING COSTS, (4) SAFE USE OF ELECTRICITY, (5) DETERMINING NEEDS AND PLANNING THE INSTALLATION, (6) THE NATIONAL ELECTRIC CODE, (7) SELECTING WIRE SIZES AND TYPES, (8) SIMPLE WIRING, (9) PLANNING THE DISTRIBUTION SYSTEM, AND (10) SELECTING, INSTALLING, AND MAINTAINING ELECTRIC MOTORS. VARIOUS EXERCISES, PROBLEMS, AND DIAGRAMS ARE INCLUDED. (GB)

VT 010 397
INTRODUCTION TO PLANT DISEASES.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX.
SERVICE BULLETIN NUMBER THREE
PUB DATE - AUG69 54P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; *PLANT PATHOLOGY; *RESOURCE MATERIALS

ABSTRACT - ONE OF A SERIES OF SERVICE BULLETINS PREPARED TO AID VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING INTRODUCTORY MATERIAL ON SPECIFIC AREAS OF AGRICULTURAL SCIENCE, THIS BOOKLET PROVIDES BASIC INSTRUCTION ON PLANT DISEASES. THE UNIT IS RECOMMENDED FOR USE IN THE SECOND YEAR OF VOCATIONAL AGRICULTURE, WITH MAJOR EMPHASIS UPON HELPING STUDENTS TO DEVELOP AN UNDERSTANDING OF BASIC PRINCIPLES AND TERMINOLOGY RELATED TO PLANT PATHOLOGY. CONTENTS INCLUDE: (1) IMPORTANCE OF PLANT DISEASES, (2) THE NATURE AND CLASSIFICATION OF PLANT DISEASES, (3) GROWTH AND REPRODUCTION OF PLANT PATHOGENS, (4) DISSEMINATION OF PLANT PATHOGENS, (5) INFECTION BY PLANT PATHOGENS, AND (6) PRINCIPLES OF PLANT PATHOLOGY IN EXERCISES AND EXPERIMENTS. A SECTION GIVING DESCRIPTIONS AND INFORMATION ON SPECIFIC PLANT DISEASES, INCLUDING VARIOUS PHOTOGRAPHS AND CHARTS, IS ALSO PROVIDED, AS WELL AS A GLOSSARY, SELECTED REFERENCES FOR TEACHERS AND STUDENTS, TEACHING AIDS AND MATERIALS, FILMS AND SLIDES, AND SUGGESTED RESOURCE PEOPLE. OTHER BULLETINS IN THE SERIES ARE AVAILABLE AS VT 001 012 AND VT 001 013 (AIM WINTER 1968) AND VT 010 369, ALSO IN THIS ISSUE. AN INSTRUCTOR'S GUIDE FOR TEACHING THIS UNIT MAY BE OBTAINED FROM THE DEPARTMENT OF AGRICULTURAL EDUCATION, UNIVERSITY OF ARIZONA, TUCSON. (AW)

VT 010 410
HORSE FARM EMPLOYEE.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
SEARS-ROEBUCK FOUNDATION, SKOKIE, ILL.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($7.15).
PUB DATE - ND 415P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *HORSES; *FARM OCCUPATIONS; *ON THE JOB TRAINING; ANIMAL SCIENCE; STUDY GUIDES; BIBLIOGRAPHIC CITATIONS; ANIMAL CARETAKERS; SECONDARY GRADES; COURSE

OBJECTIVES; JOB SKILLS; WORK EXPERIENCE PROGRAMS; MANAGEMENT EDUCATION

ABSTRACT - THIS STUDY GUIDE ON HORSE FARM ACTIVITIES WAS DEVELOPED BY A VOCATIONAL AGRICULTURE TEACHER FOR STUDENTS IN COOPERATIVE VOCATIONAL AGRICULTURE PROGRAMS. INFORMATION SHEETS AND ASSIGNMENT SHEETS ARE GIVEN FOR THE FOLLOWING UNITS: (1) INTRODUCTION, (2) SELECTING HORSES, (3) BREEDING HORSES, (4) FEEDING HORSES, (5) MANAGEMENT PRACTICES, (6) BUILDINGS AND EQUIPMENT, (7) TRAINING HORSES, (8) FITTING AND SHOWING, (9) SELLING HORSES, (10) RANGE MANAGEMENT, (11) SANITATION AND HEALTH, (12) PRINCIPLES OF DISEASE CONTROL, (13) METHODS OF DISEASE AND PARASITE CONTROL, (14) SYMPTOMS OF COMMOM DISEASES, AND (15) FARM AND RANCH MANAGEMENT. IN ADDITION TO A LISTING OF REQUIRED REFERENCES, ANSWERS TO ASSIGNMENT SHEET QUESTIONS, TOPIC TESTS, AND TEST ANSWERS ARE GIVEN IN SEPARATE, COLOR-CODED SECTIONS. (GB)

VT 010 418
LIVESTOCK (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.65).
PUB DATE - ND 18P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *LIVESTOCK; INSTRUCTIONAL AIDS; CATTLE; SWINE; HORSES

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE TRANSPARENCY MASTERS IN TEACHING CLASSES IN ANIMAL SCIENCE. SEVENTEEN MASTERS ARE INCLUDED, COVERING BODY PARTS AND WHOLESALE CUTS OF BEEF, SWINE, LAMB, AND BODY PARTS OF DAIRY COWS AND HORSES, AS WELL AS MEANS OF USING TEETH TO DETERMINE THE AGE OF SHEEP AND HORSES. (AW)

VT 010 421
MORPHOLOGY OF GRASSES (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($3.25).
PUB DATE - NOV68 47P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; *BOTANY; INSTRUCTIONAL AIDS

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE 22 TRANSPARENCY MASTERS IN TEACHING PLANT SCIENCE. SOME REPRESENTATIVE TITLES ARE: (1) BEAN SEEDLINGS, (2) MATURE CORN PLANT, (3) SCHEMATIC GRASS PLANT, (4) MALE AND FEMALE GRASS FLOWER PARTS, (5) ROOTS OF WHEAT, (6) WHEAT SPIKELET, (7) OATS PANICLE, (8) GRASS IDENTIFICATION, (9) LEGUME FLOWER, AND (10) REPRODUCTION PARTS OF COTTON. TEACHING GUIDELINES, A KEY TO THE PLATES, AND A GLOSSARY ARE INCLUDED IN THE PACKAGE. (AW)

VT 010 422
GENETICS (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.95).
PUB DATE - ND 21P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *GENETICS; *HEREDITY; INSTRUCTIONAL AIDS

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE 16 TRANSPARENCY MASTERS MAY BE USED BY VOCATIONAL AGRICULTURAL TEACHERS IN TEACHING PRINCIPLES OF GENETICS AND HEREDITY. TITLES INCLUDE: (1) GENETICS AND HEREDITY TERMS, (2) SINGLE MENDELIAN INHERETANCE, F1 AND F2, (3) MITOSIS, (4) CROSSING INVOLVING TWO PAIRS OF GENES, (5) MODIFIED TWO PAIR RATIOS (SHORTHORNS), (6) MODIFIED TWO PAIR RATIOS (RADISHES), (7) SEXLINKED, (8) LETHAL GENES, AND (9) SEX-INFLUENCED CHARACTERS, F1 AND F2. (AW)

VT 010 423
LAND MEASUREMENT (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.95).
PUB DATE - APR69 25P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; INSTRUCTIONAL AIDS; *UNITS OF STUDY (SUBJECT FIELDS); *FARM MANAGEMENT
IDENTIFIERS - *LAND MEASUREMENT

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE 14 TRANSPARENCY MASTERS MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING GUIDELINES FOR LAND MEASUREMENT TO FARM MANAGEMENT CLASSES. TITLES INCLUDE: (1) LAYOUT OF TOWNS OR TIERS, (2) LAYOUT AND DESIGNATION OF TOWNSHIPS, (3) SUBDIVISION OF A SECTION, (4) MEASUREMENT OF A RECTANGULAR FIELD, (5) MEASURING TRIANGULAR FIELDS, (6) TRAPEZIUM MEASUREMENTS FOR AREA, AND (7) PROBLEM. (AW)

VT 010 424
MEAT CUTS (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION,

SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.25).
PUB DATE - ND 30P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; CONSUMER EDUCATION; *ANIMAL SCIENCE; *MEAT; *LIVESTOCK; INSTRUCTIONAL AIDS; SECONDARY GRADES
IDENTIFIERS - *MEAT CUTS

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE 14 TRANSPARENCY MASTERS AND 14 OVERLAY MASTERS IN TEACHING ANIMAL SCIENCE TO HIGH SCHOOL CLASSES. THE TRANSPARENCIES INCLUDE WHOLESALE AND RETAIL BEEF, PORK, LAMB, AND VEAL CUTS. (BC)

VT 010 425
ARTIFICIAL INSEMINATION (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.25).
PUB DATE - ND 26P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *ANIMAL SCIENCE; *LIVESTOCK; *INSTRUCTIONAL AIDS; ANATOMY

ABSTRACT - VOCATIONAL AGRICULTURE TEACHERS MAY USE INSTRUCTIONAL AIDS PRODUCED FROM THESE 17 TRANSPARENCY MASTERS IN TEACHING CLASSES IN ANIMAL SCIENCE. SOME TITLES INCLUDED ARE: (1) ORGANS OF REPRODUCTION OF THE COW, (2) SEX DETERMINATION AT FERTILIZATION, (3) CIRCULATORY ROUTES IN THE YOUNG MAMMALIAN EMBRYO, (4) POSITION OF THE CALF IN THE UTERUS AFTER IT HAS BEEN ORIENTED FOR NORMAL DELIVERY, (5) ABNORMAL PRESENTATIONS OF THE CALF FOR DELIVERY, (6) REPRODUCTIVE TRACT OF THE BULL, (7) SPERMATOGENESIS, (8) SPECULUM METHOD OF INSEMINATING THE COW, AND (9) RECTOVAGINAL TECHNIQUE OF INSEMINATING THE COW. (AW)

VT 010 426
BUILDING FARM FENCES.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING CENTER, ATHENS, GEORGIA 30601 ($2.00).
PUB DATE - OCT69 36P.

DESCRIPTORS - *RESOURCE GUIDES; *ADULT FARMER EDUCATION; *FARM STRUCTURES; *MANUALS; AGRICULTURAL EDUCATION
IDENTIFIERS - *FENCES

ABSTRACT - RESEARCH AND EXPERIENCE GATHERED THROUGHOUT THE COUNTRY IS THE BASIS FOR THESE STEP-BY-STEP PROCEDURES TO AID FARMERS IN BUILDING DURABLE, EFFECTIVE FENCES WITH A MINIMUM OF TIME AND EXPENSE. EMPHASIZING HAND CONSTRUCTION USING TOOLS AND EQUIPMENT NORMALLY AVAILABLE ON A FARM, PROCEDURES ARE OUTLINED FOR BUILDING WOVEN-WIRE FENCES, BARBED-WIRE FENCES, MOVABLE FENCES, AND BOARD FENCES, AS WELL AS FOR GROUNDING WIRE FENCES FOR LIGHTNING PROTECTION. THE MANUAL IS ILLUSTRATED WITH NUMEROUS PHOTOGRAPHS, DRAWINGS, AND DIAGRAMS. (AW)

VT 010 459
INSTRUCTIONAL MATERIALS FOR VOCATIONAL AGRICULTURE I.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
AGDEX 016X.31
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843.
PUB DATE - ND 775P.

DESCRIPTORS - *TRANSPARENCIES; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *INSTRUCTIONAL MATERIALS; ANIMAL SCIENCE; PLANT SCIENCE; SOIL SCIENCE; AGRICULTURAL ENGINEERING; FIELD EXPERIENCE PROGRAMS; COURSE CONTENT; ON THE JOB TRAINING SLIDES; AUDIOVISUAL AIDS
IDENTIFIERS - *AGRICULTURAL SCIENCES

ABSTRACT - THESE INSTRUCTIONAL MATERIALS FOR VOCATIONAL AGRICULTURE I WERE DEVELOPED BY THE AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER AT TEXAS A AND M UNIVERSITY. AREAS ARE: (1) ANIMAL SCIENCE, (2) SOIL SCIENCE, (3) PLANT SCIENCE, (4) AGRICULTURAL MECHANICS, AND (5) SUPERVISED EXPERIENCE PROGRAMS AND RECORDS. THE AREAS ARE DIVIDED INTO UNIT OUTLINES WHICH INCLUDE THE TECHNICAL INFORMATION, REFERENCES, ILLUSTRATIONS, TRANSPARENCY MASTERS AND SAMPLE FORMS NEEDED TO DEVELOP EACH TOPIC. THESE MATERIALS FOLLOW THE OUTLINE DEVELOPED IN "BASIC CURRICULUM GUIDE FOR PRODUCTION AGRICULTURE" AVAILABLE AS VT 011 829 (ALSO IN THIS ISSUE). (GB)

VT 010 467
FARM ARC WELDING PROCEDURES.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($1.00).
PUB DATE - ND 49P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *WELDING; *CURRICULUM GUIDES; *ILLUSTRATIONS; SECONDARY GRADES; POST SECONDARY EDUCATION; AGRICULTURAL ENGINEERING; SAFETY; AGRICULTURAL MACHINERY; EQUIPMENT MAINTENANCE; BIBLIOGRAPHIES

ABSTRACT - TWO FARM ARC WELDING SPECIALISTS PREPARED THIS COURSE OUTLINE FOR TEACHERS OF VOCATIONAL AGRICULTURE TO USE IN TEACHING FARM ARC WELDING. TOPICS ARE: (1) WELDING MACHINES, (2) ESSENTIALS FOR PROPER WELDING

PROCEDURES, (3) ELECTRODES, (4) SAFETY, (5) POSITION, (6) RUNNING A BEAD, (7) OXYACETYLENE CUTTING TORCH, (8) OUT OF POSITION WELDING, (9) IDENTIFYING METALS, (10) CONTROLLING EXPANSION AND CONTRACTION FORCES, (11) IDENTIFYING IRON AND STEEL BY THE SPARK TEST, (12) POLARITY, AND (13) WEIGHT OF STEEL. ALONG WITH PROCEDURES, PRACTICES, AND TECHNIQUES, 11 ILLUSTRATED EXERCISES WILL HELP THE AVERAGE STUDENT MASTER 90 PERCENT OF THE WELDS NEEDED FOR MAINTENANCE AND BUILDING OF FARM EQUIPMENT. THE AMOUNT OF TIME FOR EACH EXERCISE WILL DEPEND UPON THE SIZE OF CLASSES, WELDING MACHINES AVAILABLE, ABILITY OF STUDENTS, AND THE INDIVIDUAL TEACHER. A BIBLIOGRAPHY IS INCLUDED. (GB)

VT 010 480
MALONE, CHARLES A.
SOURCE UNIT IN ANIMAL BREEDING.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION SECTION
COLORADO STATE BOARD FOR COMMUNITY COLLEGES
AND OCCUPATIONAL EDUCATION, DENVER
AGRICULTURAL EDUCATION SECTION, DEPARTMENT OF
VOCATIONAL EDUCATION, COLORADO STATE
UNIVERSITY, FORT COLLINS, COLORADO 80521
($1.00).
PUB DATE - 69 36P.

DESCRIPTORS - *GENETICS; RESOURCE MATERIALS; *RESOURCE UNITS; UNIT PLAN; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *LIVESTOCK; ANIMAL SCIENCE; SECONDARY GRADES; TRANSPARENCIES

ABSTRACT - THIS SOURCE UNIT WAS PREPARED BY A GRADUATE STUDENT IN AGRICULTURAL EDUCATION TO BE USED BY COLORADO VOCATIONAL AGRICULTURE TEACHERS AS A GUIDE FOR PLANNING AND TEACHING A UNIT IN ANIMAL BREEDING. OBJECTIVES, MOTIVATION TECHNIQUES, STUDY GUIDES, REFERENCES, AND TEACHING SUGGESTIONS ARE GIVEN FOR THE FOLLOWING 11 SUB-UNITS OF ANIMAL BREEDINGS: (1) DIFFERENT BREEDING SYSTEMS, (2) MALE AND FEMALE REPRODUCTIVE ORGANS, (3) FUNCTION OF HORMONES IN ANIMAL BREEDING, (4) REPRODUCTIVE CHARACTERISTICS OF FARM ANIMALS, (5) REPRODUCTIVE DISEASES, (6) FUNDAMENTALS OF HEREDITY, (7) INFLUENCE OF GENES, (8) TRANSMISSION OF CHARACTERISTICS FROM PARENT TO OFFSPRING, (9) MUTATIONS AND ABNORMAL GENE ACTION, (10) RATE OF PROGRESS TO BE MADE THROUGH SELECTION, AND (11) DIFFERENT METHODS OF SELECTING LIVESTOCK. SEVEN TRANSPARENCY MASTERS ARE INCLUDED IN THE SUB-UNIT ON MALE AND FEMALE REPRODUCTIVE ORGANS. (AW)

VT 010 484
SIEGFRIED, LARRY R.
SOURCE UNIT IN FEEDS AND FEEDING.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION SECTION
COLORADO STATE BOARD FOR COMMUNITY COLLEGES
AND OCCUPATIONAL EDUCATION, DENVER
AGRICULTURAL EDUCATION SECTION, DEPARTMENT OF
VOCATIONAL EDUCATION, COLORADO STATE
UNIVERSITY, FORT COLLINS, COLORADO 80521
($1.00).
PUB DATE - 69 41P.

DESCRIPTORS - *RESOURCE UNITS; RESOURCE MATERIALS; *UNIT PLAN; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; ANIMAL SCIENCE; *NUTRITION; LIVESTOCK; SECONDARY GRADES

ABSTRACT - PREPARED BY A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION, THIS SOURCE UNIT MAY BE USED BY VOCATIONAL AGRICULTURE TEACHERS IN PLANNING AND PRESENTING A UNIT IN FEEDS AND FEEDING. THE 13 SUB-UNITS, PROVIDING OBJECTIVES, MOTIVATION TECHNIQUES, STUDY GUIDES, REFERENCES, AND SUGGESTED TEACHING PLANS, COVER: (1) NUTRIENTS NECESSARY FOR LIVESTOCK, (2) CHEMICAL COMPOSITION AND CLASSIFICATION OF FEEDS, (3) DIGESTIVE SYSTEMS OF RUMINANTS AND NON-RUMINANTS, (4) DIGESTION AND ADSORPTION OF FEEDS BY LIVESTOCK, (5) FEED PREPARATION TECHNIQUES, (6) ROLE OF PROTEINS, CARBOHYDRATES, FATS, MINERALS, AND VITAMINS IN LIVESTOCK FEEDING, (7) FEED ADDITIVES, (8) BALANCING RATIONS, AND (9) COMPUTING LOWEST-COST BALANCED RATIONS. (AW)

VT 010 488
COURSE OF STUDY FOR AGRICULTURAL CONSERVATION EDUCATION.

OHIO STATE UNIV., COLUMBUS. DEPT. OF
AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS.
AGRICULTURAL EDUCATION SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL
MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,
2120 FYFFE ROAD, COLUMBUS, OHIO 43210
($1.00).
PUB DATE - 69 27P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *CONSERVATION EDUCATION; FORESTRY; WILDLIFE MANAGEMENT; SOIL CONSERVATION; WATER RESOURCES; RECREATION; *NATURAL RESOURCES; GRADE 11; GRADE 12; *PROGRAM PLANNING

ABSTRACT - DEVELOPED BY STATE STAFF, TEACHERS, AND ADVISORY COMMITTEE MEMBERS, THIS CURRICULUM GUIDE IS FOR USE BY SCHOOL ADMINISTRATORS AND TEACHERS IN PLANNING AND DEVELOPING 2-YEAR VOCATIONAL AGRICULTURE PROGRAMS DESIGNED TO PREPARE 11TH- AND 12TH-GRADE STUDENTS FOR ENTRY INTO AND ADVANCEMENT IN ANY ONE OF A CLUSTER OF OCCUPATIONS IN RESOURCE CONSERVATION. BRIEF INTRODUCTORY INFORMATION IS GIVEN ON THE PURPOSE, VOCATIONAL OBJECTIVES, COMPETENCIES TO BE DEVELOPED, SUBJECT AREAS TO BE COVERED, SUGGESTED TIME ALLOTMENT, AND SUGGESTIONS FOR PLANNING AND TEACHING THE COURSE, FOLLOWED BY COURSE OUTLINES FOR EACH OF THE AREAS OF INTRODUCTION. INSTRUCTIONAL AREAS, DIVIDED INTO SPECIFIC TEACHING UNITS, ARE: (1) FORESTRY, (2) WILDLIFE MANAGEMENT, (3) SOIL AND WATER, (4) OUTDOOR RECREATION, AND (5) CONSERVATION MECHANICS. A SEPARATE SECTION ON LEADERSHIP TRAINING, INCLUDING TEACHING TIME, VOCATIONAL OBJECTIVES, COMPETENCIES TO BE DEVELOPED, AND A TEACHING OUTLINE IS ALSO PROVIDED. (AW)

VT 010 499
A BASIC PROGRAM IN PLANT SCIENCE FOR VOCATIONAL AGRICULTURE STUDENTS.

LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION.
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
STATE DEPARTMENT OF EDUCATION, VOCATIONAL AGRICULTURE SECTION, P.O. BOX 44064, CAPITOL STATION, ROOM 404, BATON ROUGE, LOUISIANA 70804 ($2.00).
PUB DATE - JAN69 210P.

DESCRIPTORS - *CURRICULUM GUIDES; *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *PLANT SCIENCE; PLANT GROWTH; PLANT IDENTIFICATION; PLANT PATHOLOGY; PLANT PROPAGATION; GRADE 9; GRADE 10

ABSTRACT - PREPARED BY A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION, THIS CURRICULUM GUIDE IS FOR TEACHER USE IN PLANNING AND PRESENTING COURSES IN PLANT SCIENCE AS PART OF THE GENERAL 11TH AND 12TH GRADE VOCATIONAL AGRICULTURE PROGRAM IN LOUISIANA. CONTENTS CONSIST OF EIGHT UNITS OF INSTRUCTION, PROVIDING LESSONS TO BE TAUGHT IN EACH UNIT, SUBJECT MATTER TO BE COVERED, AND SUGGESTIONS FOR TEACHING THE LESSONS. UNIT TITLES INCLUDE: (1) GROWTH PROCESSES OF PLANTS, (2) CLASSIFICATION OF PLANTS, (3) PROPAGATION, (4) CULTURAL PRACTICES OF PLANTS, (5) PLANT GENETICS, (6) SANITATION AND HEALTH, (7) INSECTS AFFECTING PLANTS, AND (8) SEED AND PLANT SELECTION. THE GUIDE IS ILLUSTRATED WITH NUMEROUS DRAWINGS, DIAGRAMS, AND FIGURES. A SELECTED BIBLIOGRAPHY IS ALSO INCLUDED. (AW)

VT 010 506 ED 038 506
PALAN, RALPH L.; PERSONS, EDGAR A.
A COURSE OF STUDY FOR ADULT FARMER INSTRUCTION IN FARM MANAGEMENT AND FARM BUSINESS ANALYSIS, SECOND EDITION.

MINNESOTA UNIV., ST. PAUL. DEPT. OF AGRICULTURE EDUCATION
AGRICULTURAL EDUCATION DEPARTMENT, UNIVERSITY OF MINNESOTA, 312 NORTH HALL, ST. PAUL CAMPUS, ST. PAUL, MINNESOTA 55101 ($4.50).
PUB DATE - 69 218P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; *ADULT FARMER EDUCATION; *FARM MANAGEMENT; *FARM ACCOUNTS; BUSINESS SUBJECTS

ABSTRACT - THIS GUIDE IS DESIGNED TO AID AGRICULTURAL EDUCATION TEACHERS IN PLANNING AND IMPLEMENTING ADULT COURSES IN FARM BUSINESS AND MANAGEMENT. INTRODUCTORY CHAPTERS ON THE ELEMENTS OF MODERN ADULT EDUCATION, THE ORGANIZATION OF AN ADULT AGRICULTURAL EDUCATION PROGRAM, AND SUGGESTIONS FOR USING THE COURSE OF STUDY, ARE FOLLOWED BY COURSE OUTLINES FOR FARM MANAGEMENT I--FARM RECORDS AND ACCOUNTS (15 UNITS), FARM MANAGEMENT II--FARM BUSINESS ANALYSIS (12 UNITS), AND FARM MANAGEMENT III--FARM BUSINESS ORGANIZATION (12 UNITS). INSTRUCTIONAL UNITS PROVIDE TEACHER OBJECTIVES, SUGGESTED TEACHING ACTIVITIES AND EXPERIENCES, CONTENT, AND REFERENCES, AND MANY ARE ILLUSTRATED WITH CHARTS, TABLES, SAMPLE FORMS, AND GRAPHS. SELECTED BIBLIOGRAPHIES ARE INCLUDED FOR EACH COURSE OF INSTRUCTION. (AW)

VT 010 507
SKILL SHEETS FOR AGRICULTURAL MECHANICS.

IOWA STATE UNIV. OF SCIENCE AND TECHNOLOGY, AMES. DEPT. OF AGRICULTURAL EDUCATION.
IOWA STATE DEPT. OF PUBLIC INSTRUCTION, DES MOINES. CONSULTANTS IN AGRICULTURAL EDUCATION.
PUB DATE - 69 28P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRICULTURAL ENGINEERING; *AGRICULTURAL SKILLS; SECONDARY GRADES; WELDING; ELECTRICITY; WOODWORKING; METALS; AGRICULTURAL MACHINERY; ILLUSTRATIONS

ABSTRACT - DEVELOPED FOR TEACHING SPECIFIC SKILLS IN THE HIGH SCHOOL AGRICULTURAL MECHANICS PROGRAM, THESE SKILL SHEETS WERE PREPARED BY AGRICULTURAL ENGINEERING STAFF MEMBERS OF IOWA STATE UNIVERSITY. THE 23 SKILL SHEETS ARE TO BE USED IN THESE UNITS: (1) TRACTOR POWER-GAS ENGINES, (2) HOT AND COLD METALS, (3) ELECTRICITY, (4) CARPENTRY, (5) ARC WELDING, AND (6) CONCRETE. EACH SHEET CONSISTS OF OPERATIONAL PROCEDURES, OBJECTIVES, ILLUSTRATIONS, MATERIALS NEEDED, AND AN EVALUATION SCORE SHEET. A RELATED DOCUMENT IN THE COMPILATION OF OVERLAY MASTERS AVAILABLE IN VT 011 155 (ALSO IN THIS ISSUE). (GR)

VT 010 509 ED 038 507
A DESCRIPTION AND SOURCE LISTING OF CURRICULUM MATERIALS IN AGRICULTURAL EDUCATION, 1969-1970.

AMERICAN VOCATIONAL ASSOCIATION, WASHINGTON, D.C. CURRICULUM MATERIALS COMMITTEE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801.
PUB DATE - 70 29P.

DESCRIPTORS - *ANNOTATED BIBLIOGRAPHIES; *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS; *INFORMATION SOURCES; AGRICULTURAL ENGINEERING; ANIMAL SCIENCE; FORESTRY; AGRONOMY; AGRICULTURAL OCCUPATIONS; SOIL SCIENCE; FIELD CROPS; HORTICULTURE; FARM MANAGEMENT

ABSTRACT - THE PURPOSE OF THIS ANNOTATED BIBLIOGRAPHY IS TO PROVIDE TEACHERS OF VOCATIONAL AGRICULTURE, AGRICULTURAL SUPERVISORS, AND AGRICULTURAL TEACHER EDUCATORS WITH INFORMATION ON CURRENT CURRICULUM MATERIALS AVAILABLE TO THEM. CLASSIFIED ACCORDING TO THE AGDEX FILING SYSTEM, THE 163 REFERENCES ARE GROUPED UNDER THE HEADINGS: (1) FIELD CROPS, (2) HORTICULTURE, (3) FORESTRY, (4) ANIMAL SCIENCE, (5) SOILS, (6) DISEASES AND PESTS, (7) AGRICULTURAL ENGINEERING, (8) AGRICULTURAL ECONOMICS, (9) AGRICULTURAL OCCUPATIONS, AND (10) PROFESSIONAL. THE AVAILABILITY AND PRICE OF EACH REFERENCE IS SPECIFIED IN THE ANNOTATION. (AW)

VT 010 510
SELECTED REFERENCE BOOKS AND MAGAZINES AND A LIST OF SOURCES OF FILMS, CHARTS, MANUALS, AND OTHER AIDS FOR USE IN COLORADO VO-AG DEPARTMENTS.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION DIV.
AGRICULTURAL EDUCATION SECTION, DEPARTMENT OF VOCATIONAL EDUCATION, COLORADO STATE UNIVERSITY, FORT COLLINS, COLORADO 80521 ($1.00).
PUB DATE - 69 35P.

DESCRIPTORS - *RESOURCE MATERIALS; DIRECTORIES; *VOCATIONAL AGRICULTURE; *REFERENCE BOOKS; *BOOKLISTS; TEXTBOOKS; INSTRUCTIONAL MATERIALS; *PERIODICALS; FILMS
IDENTIFIERS - COLORADO

ABSTRACT - THIS BULLETIN LISTS REFERENCES, TEACHING AIDS, AND SOURCES RECOMMENDED FOR USE BY COLORADO VOCATIONAL AGRICULTURE INSTRUCTORS. LISTED AND COLOR CODED ACCORDING TO NINE SUBJECT AREAS WITHIN VOCATIONAL AGRICULTURE, BOOKS ARE ARRANGED ALPHABETICALLY BY AUTHORS, AND IDENTIFIED WITH SOURCE NUMBERS KEYED TO A LIST OF PUBLISHERS OR SUPPLIERS. LISTINGS ALSO INCLUDE TITLES, COPYRIGHT OR REVISION DATE, NUMBER OF PAGES, APPROXIMATE COST, SCHOLASTIC LEVEL, AND QUALITY RATING. SUBJECTS ARE: (1) ANIMAL SCIENCE, (2) SOILS AND CROPS, (3) FARM MANAGEMENT, MARKETING, LAW AND ACCOUNTS, (4) EXPLORING AGRICULTURE AND SUPERVISED OCCUPATIONAL EXPERIENCES, (5) PROFESSIONAL AGRICULTURAL EDUCATION, (6) AGRIBUSINESS AND INDUSTRY, (7) YOUTH ORGANIZATIONS, (8) AGRICULTURAL MECHANICS, AND (9) ORNAMENTAL HORTICULTURE, LANDSCAPING, GREENHOUSES AND NURSERIES. THE LISTING OF MAGAZINES IS ARRANGED ALPHABETICALLY BY TITLE, AND PROVIDES ADDRESS, FREQUENCY OF PUBLICATION, AND SUBSCRIPTION COSTS. AN ALPHABETICAL LISTING OF SOURCES OF FILMS, CHARTS, AND OTHER VOCATIONAL AGRICULTURE TEACHING AIDS IS ALSO INCLUDED. (AW)

VT 010 523
AGRICULTURAL SUPPLY--SALES AND SERVICE OCCUPATIONS, "FEEDS--SALES AND SERVICE".

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURE SECTION.
PUB DATE - JUN65 39P.ADAPTED FROM MATERIALS PREPARED BY THE OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRICULTURAL SUPPLY OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS; *SUPPLEMENTARY TEXTBOOKS; SECONDARY GRADES; FEED INDUSTRY; INSTRUCTIONAL MATERIALS; AGRICULTURAL SUPPLIES; JOB SKILLS; JOB TRAINING

ABSTRACT - TO HELP STUDENTS OF VOCATIONAL AGRICULTURE DEVELOP THE UNDERSTANDINGS AND ABILITIES FOR EMPLOYMENT IN THE RETAIL FEED BUSINESS, THE SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION AND CLEMSON UNIVERSITY DEVELOPED THIS TEACHING GUIDE FROM MATERIALS PREPARED BY THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION AT OHIO STATE UNIVERSITY. TOPICS ARE: (1) BASIC ECONOMICS OF LIVESTOCK FEEDING, (2) ANIMAL NUTRITION, (3) DIFFERENT LIVESTOCK FEEDS, (4) FORMULATION OF GRAIN RATIONS, (5) PREPARATION OF FEEDS, (6) CURRENT TRENDS IN FEED MERCHANDISING, AND (7) REGULATIONS IN THE FORMULATION, LABELING, AND USE OF FEEDS. EACH TOPIC CONTAINS SUGGESTED TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND OCCUPATIONAL EXPERIENCES TO ASSIST THE TEACHER. APPENDED IS A LIST OF INSTRUCTIONAL MATERIALS, REFERENCES, AND MOVIES. (GB)

VT 010 526
WILSON, SCOTT
LANDSCAPE MAINTENANCE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.95).
PUB DATE - 69 53P.

DESCRIPTORS - *RESOURCE MATERIALS; *AGRICULTURAL EDUCATION; *GROUNDS KEEPERS; *HORTICULTURE; *LANDSCAPING; ORNAMENTAL HORTICULTURE; PLANT SCIENCE; SOIL SCIENCE; ORNAMENTAL HORTICULTURE OCCUPATION; OFF FARM AGRICULTURAL OCCUPATIONS; TURF MANAGEMENT

ABSTRACT - WRITTEN BY A SUBJECT MATTER SPECIALIST, THIS GUIDE IS INTENDED TO AID IN TRAINING LANDSCAPE MAINTENANCE PERSONNEL FOR BOTH CIVIL SERVICE AND PRIVATE ENTERPRISE. TWENTY CHAPTERS, PROVIDING CONTENT, UNDERSTANDINGS TO BE DEVELOPED, AND VOCABULARY, COVER: (1) EARLY AND MODERN GARDENING, (2) SOILS AND SOIL CARE, (3) FERTILIZING AND IRRIGATING, (4) TURFGRASS, (5) GARDEN PESTS, PLANT DISEASES AND WEEDS, AND THEIR CONTROL, (6) ARBORICULTURE, (7) PRUNING, STAKING, AND GUYING, (8) PRINCIPLES OF PLANTING AND TRANSPLANTING, (9) GARDENING TOOLS AND EQUIPMENT, (10) SCHEDULES, BUSINESS PRACTICES, AND ESTIMATES, AND (11) PRINCIPLES OF SAFETY AND FIRST AID. THE MANUAL IS ILLUSTRATED WITH DIAGRAMS, DRAWINGS, TABLES, AND CHARTS. (AW)

VT 010 527
TREE IDENTIFICATION: WESTERN PINES.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($2.00, MANUAL AND 20 SLIDES AVAILABLE FOR $6.50).
PUB DATE - 69 21P.

DESCRIPTORS - *GUIDES; *AGRICULTURAL EDUCATION; *IDENTIFICATION; *TREES; *FORESTRY; NATURAL RESOURCES; CLASSIFICATION; TAXONOMY

ABSTRACT - THIS MULTI-MEDIA KIT, FOR USE IN AGRICULTURAL EDUCATION CLASSES STUDYING TREE IDENTIFICATION, CONSISTS OF THE FOLLOWING: (1) 10 SLIDES OF PINES OF COMMERCIAL SIGNIFICANCE IN THE WEST, WITH THE COMMON AND LATIN NAMES OF THE TREE SUPERIMPOSED ON A COMBINED VIEW OF A TYPICAL SPECIMEN AND A CLOSE-UP VIEW OF THE TRUNK AND NEEDLES OR LEAVES, (2) 10 SLIDES IDENTICAL TO THE ONES IDENTIFIED, BUT WITHOUT THE NAMES, TO BE USED FOR TESTING PURPOSES, (3) 10 TRANSPARENCY MASTERS, ONE FOR EACH OF THE 10 SPECIES PICTURED ON THE SLIDES, FOR USE IN PRODUCING OVERHEAD TRANSPARENCIES OR OTHER INSTRUCTIONAL MATERIALS, (4) SHORT DESCRIPTIONS OF THE 10 PICTURED SPECIES, AND (5) SUGGESTED IDENTIFICATION PROCEDURES. THE 10 SPECIES OF WESTERN PINES COVERED ARE: (1) DOUGLAS FIR, (2) ENGELMANN SPRUCE, (3) IDAHO WHITE PINE, (4) INCENSE CEDAR, (5) LARCH, (6) LODGEPOLE PINE, (7) PONDEROSA PINE, (8) SUGAR PINE, (9) WESTERN RED CEDAR, AND (10) WHITE FIR. THE SLIDE SET MAY BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. (AW)

VT 010 528
CAREERS IN ANIMAL INDUSTRY.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.50; FILMSTRIP, SCRIPT, AND TAPED NARRATION $7.95).
PUB DATE - 69 15P.

DESCRIPTORS - *AUDIOVISUAL AIDS; *OCCUPATIONAL INFORMATION; *AGRICULTURAL OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS
IDENTIFIERS - *ANIMAL INDUSTRY

ABSTRACT - THIS ILLUSTRATED COMPANION SCRIPT TO A 50-FRAME FILMSTRIP WAS DEVELOPED BY DEPARTMENTS IN THE SCHOOL OF AGRICULTURE, CALIFORNIA STATE POLYTECHNIC COLLEGE TO PROVIDE INFORMATION ON THE HISTORY, PROGRESS, AND VARIETY OF OCCUPATIONS IN THE ANIMAL INDUSTRY. THE FILM ALSO DISCUSSES BRIEFLY THE EDUCATION NEEDED AND OPPORTUNITIES FOR ADVANCEMENT IN ANIMAL INDUSTRY OCCUPATIONS. (CH)

VT 010 531
CAREERS IN ORNAMENTAL HORTICULTURE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.50; FILMSTRIP, SCRIPT AND TAPED NARRATION ($7.95).
PUB DATE - 69 16P.

DESCRIPTORS - *ORNAMENTAL HORTICULTURE; *OCCUPATIONS; *OCCUPATIONAL INFORMATION; *AGRICULTURAL OCCUPATIONS; *AUDIOVISUAL AIDS

ABSTRACT - THIS ILLUSTRATED COMPANION SCRIPT TO A 54-FRAME FILMSTRIP WAS DEVELOPED BY THE ORNAMENTAL HORTICULTURE DEPARTMENT OF CALIFORNIA STATE POLYTECHNIC COLLEGE TO DESCRIBE THE CAREER OPPORTUNITIES AVAILABLE IN ORNAMENTAL HORTICULTURE. BRIEFLY DISCUSSED ARE THE TRAINING AND PERSONAL QUALITIES NEEDED FOR THESE OCCUPATIONS. (CH)

VT 010 532
CAREERS IN FARM SUPPLIES.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.50; FILMSTRIP, SCRIPT, AND TAPED NARRATION $7.95).
PUB DATE - 69 14P.

DESCRIPTORS - *AGRICULTURAL SUPPLIES; *AGRICULTURAL OCCUPATIONS; *OCCUPATIONAL INFORMATION; *AUDIOVISUAL AIDS

ABSTRACT - THIS ILLUSTRATED COMPANION SCRIPT TO A 48-FRAME FILMSTRIP WAS DEVELOPED BY THE SCHOOL OF AGRICULTURE, CALIFORNIA STATE POLYTECHNIC COLLEGE TO PROVIDE INFORMATION ON THE MANY CAREER OPPORTUNITIES AVAILABLE IN FARM SUPPLIES. BRIEFLY DESCRIBED ARE THE EDUCATIONAL REQUIREMENTS AND BEGINNING PAY FOR THESE OCCUPATIONS. (CH)

VT 010 533
CAREERS IN FARM SERVICES.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.50; FILMSTRIP, SCRIPT, AND TAPED NARRATION $7.95).
PUB DATE - 69 16P.

DESCRIPTORS - *AGRICULTURAL OCCUPATIONS; *SERVICE OCCUPATIONS; *OCCUPATIONAL INFORMATION; *AUDIOVISUAL AIDS

ABSTRACT - THIS ILLUSTRATED COMPANION SCRIPT TO A 53-FRAME FILMSTRIP WAS DEVELOPED TO PROVIDE INFORMATION ON THE HISTORY, PROGRESS, AND VARIETY OF FARM SERVICE OCCUPATIONS. BRIEFLY DISCUSSED ARE THE EDUCATIONAL BACKGROUND AND PERSONAL QUALITIES NEEDED FOR ENTRY INTO THESE OCCUPATIONS. (CH)

VT 010 534
CAREERS IN FARM MACHINERY SALES AND SERVICE.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.50; FILMSTRIP, SCRIPT, AND TAPED NARRATION $7.95).
PUB DATE - 69 15P.

DESCRIPTORS - *AGRICULTURAL MACHINERY; *AGRICULTURAL OCCUPATIONS; *OCCUPATIONAL INFORMATION; *AUDIOVISUAL AIDS

ABSTRACT - THIS COMPANION SCRIPT TO A 51-FRAME FILMSTRIP PROVIDES INFORMATION ON CAREER OPPORTUNITIES AVAILABLE IN AGRICULTURAL MACHINERY SALES AND SERVICE. BRIEFLY DISCUSSED ARE THE TRAINING NEEDED FOR ENTRY INTO THESE OCCUPATIONS, STARTING SALARY, AND OPPORTUNITIES FOR ADVANCEMENT. (CH)

VT 010 535
CAREERS IN CROPS.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($.50; FILMSTRIP, SCRIPT, AND TAPED NARRATION $7.95).
PUB DATE - 69 15P.

DESCRIPTORS - *AGRICULTURAL OCCUPATIONS; *OCCUPATIONAL INFORMATION; *AUDIOVISUAL AIDS
IDENTIFIERS - *CROPS

ABSTRACT - THIS ILLUSTRATED COMPANION SCRIPT TO A 51-FRAME FILMSTRIP WAS DEVELOPED BY THE CROPS DEPARTMENT OF CALIFORNIA STATE POLYTECHNIC COLLEGE TO PROVIDE OCCUPATIONAL INFORMATION ON THE CAREER OPPORTUNITIES AVAILABLE IN THE CROPS INDUSTRY. STARTING WAGES, DESIRABLE PERSONAL QUALITIES, AND REQUIRED TRAINING ARE BRIEFLY DESCRIBED FOR THE OCCUPATIONS. (CH)

VT 010 536
AGRICULTURAL SUPPLY--SALES AND SERVICE OCCUPATIONS, "BUSINESS PROCEDURES".

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURE SECTION
PUB DATE - AUG65 24P.ADAPTED FROM MATERIALS PREPARED BY THE OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRICULTURAL SUPPLY OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS; *BUSINESS SKILLS; SECONDARY GRADES; INSTRUCTIONAL MATERIALS; WORK EXPERIENCE PROGRAMS; ON THE JOB TRAINING; EMPLOYMENT EXPERIENCE

ABSTRACT - PREPARED FROM MATERIALS DEVELOPED AT THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION AT THE OHIO STATE UNIVERSITY, THIS TEACHER'S GUIDE IS INTENDED TO HELP STUDENTS LEARN AGRICULTURAL BUSINESS PROCEDURES. THE TOPICS ARE: (1) RECORDKEEPING, (2) COMPLETING SALES TICKETS, (3) CREDIT, (4) DETERMINING SELLING PRICES, (5) ORDERING AND RECEIVING MERCHANDISE, (6) TAKING INVENTORY, (7) STORING MERCHANDISE, AND (8) STOCKING MERCHANDISE. EACH TOPIC CONTAINS TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND OCCUPATIONAL EXPERIENCES. APPENDED IS A SOURCE OF SUGGESTED INSTRUCTIONAL MATERIALS AND REFERENCES. (GB)

VT 010 537
AGRICULTURAL SUPPLY--SALES AND SERVICE OCCUPATIONS, "AGRICULTURAL SALESMANSHIP".

CLEMSON UNIV., S.C. DEPT. OF AGRICULTURAL EDUCATION.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURE SECTION
PUB DATE - JUN65 17P.ADAPTED FROM MATERIALS PREPARED BY THE OHIO STATE UNIV., COLUMBUS. CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRICULTURAL SUPPLY OCCUPATIONS; *OFF FARM AGRICULTURAL OCCUPATIONS; *SALESMANSHIP; SECONDARY GRADES; INSTRUCTIONAL MATERIALS; WORK EXPERIENCE PROGRAMS; ON THE JOB TRAINING; EMPLOYMENT EXPERIENCE

ABSTRACT - ADAPTED FROM MATERIALS DEVELOPED AT THE CENTER FOR VOCATIONAL AND TECHNICAL EDUCATION AT THE OHIO STATE UNIVERSITY, THIS TEACHER'S GUIDE MAY BE USED IN DEVELOPING A COURSE IN AGRICULTURAL SALES AND SERVICE. TOPICS ARE: (1) MEETING THE CUSTOMER, (2) PRESENTING SUPPLIES AND SERVICES, (3) OVERCOMING RESISTANCE, AND (4) CLOSING THE SALE. EACH TOPIC CONTAINS TEACHING-LEARNING ACTIVITIES, INSTRUCTIONAL MATERIALS AND REFERENCES, AND OCCUPATIONAL EXPERIENCES. APPENDED IS A SOURCE OF SUGGESTED INSTRUCTIONAL MATERIALS AND REFERENCES. THE COURSE MATERIAL COVERS APPROXIMATELY 12 HOURS PLUS WHATEVER LABORATORY AND OCCUPATIONAL EXPERIENCE DEEMED NECESSARY BY THE INSTRUCTOR. (GB)

VT 010 540
INDIVIDUAL STUDY GUIDE ON CARBURETION.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
AGDEX 763
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.50).
PUB DATE - 70 122P.

DESCRIPTORS - *STUDY GUIDES; *INDEPENDENT STUDY; *INDIVIDUAL STUDY ENGINEERING; *VOCATIONAL AGRICULTURE; GRADE 11; GRADE 12
IDENTIFIERS - *CARBURETION

ABSTRACT - THIS GUIDE IS DESIGNED FOR INDIVIDUAL STUDY BY 11TH AND 12TH GRADE VOCATIONAL AGRICULTURE STUDENTS IN ADVANCED FARM POWER COURSES, BUT MAY ALSO BE USED BY AGRICULTURAL MECHANICS TEACHERS AS A BASIS FOR GROUP STUDY AND PRACTICAL APPLICATION. PROVIDING INFORMATION ON THE PRINCIPLES, OPERATION, AND MAINTENANCE OF THE CARBURETION SYSTEMS OF ALL TYPES OF SPARK-IGNITION AGRICULTURAL ENGINES, THE GUIDE WILL AID IN

TRAINING STUDENTS FOR ENTRY INTO OCCUPATIONS ON THE FARM OR IN AGRICULTURAL IMPLEMENT DEALERSHIPS REQUIRING A KNOWLEDGE OF AGRICULTURAL MECHANICS. THE 10 INSTRUCTIONAL UNITS EACH CONTAIN AN ACTIVITY SHEET TO DIRECT THE STUDENT THROUGH THE UNIT, AN INFORMATION SHEET, AN ANSWER SHEET PROVIDING ANSWERS TO QUESTIONS IN THE ACTIVITY SHEET, AND A PROJECT SHEET. SOME UNIT TITLES ARE: (1) CARBURETION, (2) COMPENSATION SYSTEMS, (3) SMALL ENGINE CARBURETORS, (4) PARTS OF THE CARBURETOR, AND (5) CARBURETOR MAINTENANCE. RELATED REFERENCES ARE LISTED, AND THE GUIDE IS ILLUSTRATED WITH NUMEROUS DIAGRAMS AND DRAWINGS. (AW)

VT 010 542
TRACTOR FUELS AND LUBRICANTS, SELECTING AND STORING.

AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, ATHENS, GA.
AMERICAN ASSOCIATION FOR AGRICULTURAL ENGINEERING AND VOCATIONAL AGRICULTURE, AGRICULTURAL ENGINEERING CENTER, ATHENS, GEORGIA 30601 ($2.00).
PUB DATE - JAN70 57P.

DESCRIPTORS - *AGRICULTURAL MACHINERY; RESOURCE MATERIALS; AGRICULTURAL ENGINEERING; *EQUIPMENT MAINTENANCE; DIESEL ENGINES; ENGINES; *FUELS; *LUBRICANTS; *TRACTORS

ABSTRACT - SUMMARIZED FROM RESEARCH STUDIES, FIELD TESTS, AND STANDARDS, THIS GUIDE IS INTENDED TO SUPPLEMENT THE TRACTOR OPERATOR'S MANUAL BY PROVIDING HELPFUL INFORMATION ON PRESENT-DAY FUELS AND LUBRICANTS AND BASIC OPERATING PRINCIPLES OF TRACTORS AND TRACTOR PARTS. PART I, SELECTING AND STORING TRACTOR FUELS, PROVIDES INFORMATION ON DIESEL FUELS, GASOLINE, AND LP-GAS, INCLUDING OCTANE RATINGS, CETANE RATINGS, ENGINE STARTING, AND FUEL CONTAMINANTS. THE SECOND SECTION, SELECTING AND STORING TRACTOR LUBRICANTS, DEALS WITH CRANKCASE OILS, GEAR OILS, HYDRAULIC OILS, AND LUBRICATING GREASE, INCLUDING OIL TYPES AND VISCOSITIES, OPERATING CONDITIONS, AND CLASSES AND GRADES OF GREASES. THE GUIDE IS ILLUSTRATED WITH NUMEROUS DRAWINGS, DIAGRAMS, AND CARTOONS. A BIBLIOGRAPHY AND A SUBJECT INDEX ARE INCLUDED. (AW)

VT 010 578
COWART, I.C.
FARM ELECTRICITY.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE.
VOCATIONAL CURRICULUM DEVELOPMENT AND RESEARCH CENTER, P.O. BOX 657, NATCHITOCHES, LOUISIANA 71457 ($2.00).
PUB DATE - 65 34P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL EDUCATION; *ELECTRICITY; *REFERENCE MATERIALS; *LESSON PLANS; AGRICULTURAL ENGINEERING; POST SECONDARY EDUCATION; SECONDARY GRADES; BIBLIOGRAPHIC CITATIONS; COURSE CONTENT

ABSTRACT - DEVELOPED BY A SUBJECT MATTER SPECIALIST WITH THE AID OF ELECTRIC POWER COMPANIES, THIS REFERENCE MATERIAL IS DESIGNED FOR THE TEACHER OF SCHOOL YOUTH AND ADULT GROUPS STUDYING FARM ELECTRIFICATION. LESSONS ARE: (1) UNDERSTAND ELECTRICAL TERMS, (2) WIRE SIZES AND CARRYING CAPACITIES, (3) HOW POWER IS WASTED DUE TO WIRE SIZE AND LENGTH, (4) FUSES AND CIRCUIT BREAKERS, (5) WIRING PRACTICE, AND (6) SERVICE ENTRANCES. QUESTIONS, GENERAL INFORMATION, TESTS, AND ADDITIONAL REFERENCES ARE INCLUDED IN EACH LESSON. A RELATED DOCUMENT IS AVAILABLE AS VT 010 579 (ALSO IN THIS ISSUE). (GB)

VT 010 579
COWART, C.
FARM ELECTRIFICATION HANDBOOK FOR TEACHERS OF VOCATIONAL AGRICULTURE.

LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL AGRICULTURE SECTION.
LOUISIANA UTILITIES VOCATIONAL AGRICULTURE COMMITTEE.
VOCATIONAL CURRICULUM DEVELOPMENT AND RESEARCH CENTER, P.O. BOX 657, NATCHITOCHES, LOUISIANA 71457 ($2.00).
PUB DATE - 65 54P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL EDUCATION; *ELECTRICITY; *AGRICULTURAL ENGINEERING; SECONDARY GRADES; POST SECONDARY EDUCATION; COURSE OBJECTIVES; DIAGRAMS; TRANSPARENCIES; CHARTS; COURSE CONTENT

ABSTRACT - PREPARED BY A SUBJECT MATTER SPECIALIST AND LATER REVISED BY THE LOUISIANA STATE DEPARTMENT OF EDUCATION AND A COMMITTEE OF ELECTRIC POWER COMPANIES, THESE LESSON PLANS ARE INTENDED FOR VOCATIONAL AGRICULTURE TEACHERS TO USE IN PRESENTING THE BASIC PHASES OF FARM ELECTRIFICATION TO HIGH SCHOOL AND ADULT STUDENTS. LESSONS ARE: (1) INTRODUCTION TO FARM ELECTRIFICATION, (2) UNDERSTANDING ELECTRICAL TERMS, (3) WIRE SIZES AND CARRYING CAPACITY, (4) HOW POWER IS WASTED DUE TO WIRE SIZE AND LENGTH, (5) FUSES AND CIRCUIT BREAKERS, (6) WIRING PRACTICE, AND (7) SERVICE ENTRANCES. INCLUDED IN EACH LESSON ARE MATERIALS NEEDED, TEACHING OBJECTIVES, STEPS IN PRESENTING LESSONS, AND PROBLEMS TO SOLVE. SEVERAL DIAGRAMS ARE PRESENTED FOR USE AS CHARTS AND TRANSPARENCY MASTERS. APPENDED ARE SUGGESTED STEPS FOR DEVELOPING A TEACHING PLAN. A RELATED DOCUMENT IS "FARM ELECTRICITY" AVAILABLE AS VT 010 578 (ALSO IN THIS ISSUE). (GB)

VT 010 591
COMENS, FRED; WESTON, CURTIS R.
SHOP PROJECT PLANS FOR TEACHING AGRICULTURAL MECHANICS. AGRICULTURAL EDUCATION SERIES, VOLUME 3-NUMBER 1.

MISSOURI UNIV., COLUMBIA.
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. AGRICULTURAL EDUCATION SECTION.
PUB DATE - FEB70 58P.

DESCRIPTORS - *INSTRUCTIONAL MATERIALS; *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *PROJECTS; PROJECT TRAINING METHODS; SHOP CURRICULUM; EQUIPMENT

IDENTIFIERS - *AVAILABLE PROJECT PLANS LIST

ABSTRACT - CONTAINING A LISTING OF OVER 1,000 SHOP PROJECT PLANS AVAILABLE TO VOCATIONAL AGRICULTURE TEACHERS FOR USE IN THE AGRICULTURAL MECHANICS PROGRAM, THIS PUBLICATION WAS DEVELOPED BY THE DEPARTMENTS OF PRACTICAL ARTS AND VOCATIONAL-TECHNICAL EDUCATION AND AGRICULTURAL EDUCATION OF THE UNIVERSITY OF MISSOURI. FOUR SUBJECT AREAS PRESENT THE LITERATURE WHICH WAS RECEIVED FROM EDUCATIONAL INSTITUTIONS, INDUSTRIAL ORGANIZATIONS, TRADE ASSOCIATIONS, GOVERNMENTAL AGENCIES, AND PUBLISHING COMPANIES: (1) LIVESTOCK ENTERPRISE EQUIPMENT, (2) CROP PROCESSING AND FEED HANDLING EQUIPMENT, (3) GENERAL FARM AND SHOP EQUIPMENT, AND (4) HOME IMPROVEMENT AND GARDEN EQUIPMENT. APPENDED IS A LIST OF SOURCES AND ADDRESSES FOR OBTAINING THE PLANS. (GB)

VT 010 599
A SUGGESTED TRAINING GUIDE FOR RICE PRODUCTION IN LOUISIANA.

LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
VO. AG. ED. NO. 27
PUB DATE - SEP68 84P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *FARMERS; *FARM OCCUPATIONS; *AGRICULTURAL PRODUCTION; SECONDARY GRADES
IDENTIFIERS - *RICE PRODUCTION

ABSTRACT - THIS TRAINING GUIDE IS FOR USE BY LOUISIANA VOCATIONAL AGRICULTURE TEACHERS IN PLANNING AND CONDUCTING HIGH SCHOOL COURSES TO PREPARE PROSPECTIVE RICE FARMERS OR RICE FARM EMPLOYEES. CONTENTS CONSIST OF FOUR INSTRUCTIONAL UNITS: (1) ENVIRONMENTAL CONDITIONS ESSENTIAL FOR THE PRODUCTION OF RICE, (2) OPERATION, CARE AND MAINTENANCE OF FARM MACHINERY AND EQUIPMENT, (3) RICE PRODUCTION METHODS, AND (4) MARKETING THE RICE CROP, WITH EACH UNIT PROVIDING OBJECTIVES, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION, TEACHING SUGGESTIONS, REFERENCES, AND EVALUATION. WITHIN EACH UNIT, SUBJECT MATTER IS BROKEN DOWN INTO SEPARATE LESSONS, GIVEN IN AN INSTRUCTIONAL FORMAT. EIGHT DIFFERENT RICE FARM JOB DESCRIPTIONS ARE PROVIDED. (AW)

VT 010 609
A GUIDE FOR INSTRUCTION IN AGRICULTURE EDUCATION; GENERAL AND VOCATIONAL AGRICULTURE PROGRAMS. CURRICULUM BULLETIN NO. 15 REVISED.

MINNESOTA STATE DEPT. OF EDUCATION, ST. PAUL.
PUB DATE - 68 103P.

DESCRIPTORS - *PROGRAM GUIDES; *AGRICULTURAL EDUCATION; *COURSE DESCRIPTIONS; *COURSE CONTENT; *COURSE OBJECTIVES; COURSE ORGANIZATION; SECONDARY GRADES; POST SECONDARY EDUCATION

ABSTRACT - BELIEVING THAT THE VOCATIONAL AGRICULTURE PROGRAM SHOULD MEET THE NEEDS OF AN ENTIRE COMMUNITY, THE MINNESOTA STATE STAFF PREPARED THIS CURRICULUM GUIDE FOR A COMPREHENSIVE VOCATIONAL AGRICULTURE PROGRAM, ALONG WITH SUGGESTIONS FOR GREATER COMMUNITY-SCHOOL COORDINATION. OBJECTIVES AND UNITS OF STUDY INCLUDING SUBJECT AREAS AND LEARNING ACTIVITIES ARE LISTED FOR THE FOLLOWING PROGRAMS: (1) GENERAL AGRICULTURE FOR GRADES 7-8 AND 9-12, (2) HIGH SCHOOL VOCATIONAL AGRICULTURE, (3) BEGINNING FARMER EDUCATION FOR THOSE ENTERING OR BECOMING ESTABLISHED IN FARMING, (4) ADULT EDUCATION IN AGRICULTURE, AND (5) POST-HIGH SCHOOL OCCUPATIONAL TRAINING IN VOCATIONAL AGRICULTURE. SUGGESTED FACILITIES FOR VOCATIONAL AGRICULTURE ARE APPENDED. (DM)

VT 010 616
WIRING AND SAFETY; FARM ELECTRIFICATION LESSON PLANS.

TEXAS EDUCATION AGENCY, AUSTIN. VOCATIONAL AGRICULTURAL EDUCATION DIV.
PUB DATE - 67 95P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; AGRICULTURAL ENGINEERING; *ELECTRICITY; *SAFETY; SECONDARY GRADES; POST SECONDARY EDUCATION; COURSE OBJECTIVES; *LESSON PLANS; TRANSPARENCIES; DIAGRAMS

ABSTRACT - PREPARED TO ASSIST VOCATIONAL AGRICULTURE TEACHERS WITH INSTRUCTION OF HIGH SCHOOL STUDENTS, YOUNG FARMERS, AND ADULT FARMERS IN BASIC FUNDAMENTALS AND SKILLS OF ELECTRICAL WIRING AND ELECTRICAL SAFETY, THESE LESSON PLANS WERE DEVELOPED BY STAFF MEMBERS OF TEXAS A AND M UNIVERSITY, TEACHERS OF VOCATIONAL AGRICULTURE, PERSONNEL OF ELECTRIC POWER COMPANIES, AND STAFF MEMBERS OF THE TEXAS EDUCATION AGENCY. LESSONS ARE: (1) FUNDAMENTALS OF ELECTRICITY, (2) ELECTRICAL SAFETY, (3) SPLICES AND CONNECTIONS, (4) SELECTION OF WIRE SIZES, (5) WIRING MATERIALS, (6) THE WIRING LAYOUT, AND (7) PRACTICE WIRING. EACH LESSON PLAN INCLUDES THE OBJECTIVES, MATERIALS NEEDED, AND THE PROCEDURES TO FOLLOW. A TOTAL OF 46 TRANSPARENCIES AND 10 TABLES SERVE TO ILLUSTRATE OR EXPAND UPON POINTS IN THE LESSONS. (GB)

VT 010 617
ELECTRICAL CONTROLS AND BASIC CONTROL CIRCUITS USED IN AGRICULTURAL PRODUCTION; SUGGESTIONS FOR TEACHING.

TEXAS EDUCATION AGENCY, AUSTIN. VOCATIONAL AGRICULTURAL EDUCATION DIV.
PUB DATE - 67 68P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *AGRICULTURAL ENGINEERING; *ELECTRICITY; ELECTRIC CIRCUITS; SECONDARY GRADES; POST SECONDARY EDUCATION; COURSE OBJECTIVES

ABSTRACT - DEVELOPED BY STAFF MEMBERS OF TEXAS A AND M UNIVERSITY IN COOPERATION WITH VOCATIONAL AGRICULTURE TEACHERS AND PERSONNEL FROM ELECTRIC POWER COMPANIES AND THE TEXAS EDUCATION AGENCY, THESE LESSON PLANS ON THE BASIC FUNDAMENTALS AND SKILLS OF ELECTRICAL

CONTROLS AND CONTROL CIRCUITS ARE INTENDED FOR HIGH SCHOOL STUDENTS, YOUNG FARMERS, AND ADULT FARMERS. THE PLANS, INCLUDING TEACHING OBJECTIVES, TEACHING AIDS, AND PROCEDURE, COVER: (1) INTRODUCTION TO ELECTRIC CONTROLS, (2) SWITCHES AND SWITCH CONTROL CIRCUITS, (3) RELAY DEVICES, (4) MOTOR CONTROL DEVICES, AND (5) AUTOMATIC SENSING CONTROL DEVICES. THE TEACHING GUIDE INCLUDES 15 TRANSPARENCIES AND 47 DIAGRAMS AND ILLUSTRATIONS. APPENDED IS AN ANSWER GUIDE FOR PROBLEMS AND EXERCISES USED IN THE LESSON PLANS. (GB)

VT 010 647
THE GREEN HOUSE WORKER.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
AGDEX 952
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.85).
PUB DATE - 70 153P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; *GREENHOUSES; GRADE 11; GRADE 12

ABSTRACT - PREPARED BY A PROFESSOR OF HORTICULTURE, THIS MANUAL IS FOR USE AS A REFERENCE OR STUDY GUIDE BY 11TH OR 12TH GRADE VOCATIONAL HORTICULTURE STUDENTS DURING COOPERATIVE WORK EXPERIENCE IN GREENHOUSES. CONTENTS COVER: (1) COMMERCIAL GREENHOUSES, (2) GREENHOUSE CONSTRUCTION, (3) HOW DOES THE PLANT FUNCTION, (4) GREENHOUSE PLANTS, (5) GREENHOUSE OPERATIONS, AND (6) PLANTING, WITH EACH UNIT PROVIDING TECHNICAL INFORMATION, INSTRUCTIONS AS TO HOW MANIPULATIVE OPERATIONS SHOULD BE PERFORMED, AND EXERCISES TO GIVE PRACTICAL EXPERIENCE TO THE STUDENT. THE GUIDE IS ILLUSTRATED WITH NUMEROUS PHOTOGRAPHS, DRAWINGS, AND DIAGRAMS. RELATED DOCUMENTS ARE VT 012 480 AND VT 012 482, BOTH IN THIS ISSUE. (AW)

VT 010 689
A TRAINING PROGRAM FOR VOCATIONAL AGRICULTURE IN DAIRY PRODUCTION.

LOUISIANA STATE UNIV., BATON ROUGE. SCHOOL OF VOCATIONAL EDUCATION
LOUISIANA STATE DEPT. OF EDUCATION, BATON ROUGE. VOCATIONAL EDUCATION DIV.
PUB DATE - JUN68 262P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *DAIRYMEN; GRADE 11; GRADE 12

ABSTRACT - DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS, THIS GUIDE IS FOR TEACHER USE IN PLANNING AND IMPLEMENTING 11TH AND 12TH GRADE COURSES IN DAIRY FARMING. THE 14 INSTRUCTIONAL UNITS ARE: (1) SELECTION OF DAIRY CATTLE, (2) FEEDING DAIRY CATTLE, (3) FORAGE AND PASTURE PRODUCTION, (4) BREEDING DAIRY CATTLE, (5) HOUSING AND MILKING DAIRY CATTLE, (6) CONTROL AND PREVENTION OF DISEASES OF DAIRY CATTLE, (7) CONTROL AND PREVENTION OF PARASITES OF DAIRY CATTLE, (8) DAIRY PRODUCTION RECORDS, (9) DAIRY FINANCING, (10) DAIRY COOPERATIVES, (11) DAIRY MARKETING, (12) DAIRY FARM LEGAL INFORMATION, (13) DAIRY FARM LABOR MANAGEMENT, AND (14) DAIRY PUBLIC RELATIONS. OBJECTIVES, CONTENT, COMPETENCIES TO BE DEVELOPED, STUDENT MOTIVATION AND ACTIVITIES, TEACHING OUTLINE AND SUGGESTIONS, REFERENCES AND TEACHING AIDS, AND EVALUATION ARE PROVIDED IN EACH UNIT AND THE GUIDE IS ILLUSTRATED WITH GRAPHS AND DIAGRAMS. A RELATED DOCUMENT, "FARM MECHANICS BASIC TO DAIRY FARMING," IS AVAILABLE AS VT 008 336 (AIM SPRING 1970). (AW)

VT 010 691
TRACTOR, DIESEL, AND FARM MACHINERY MECHANICS: A STUDY GUIDE.

ALABAMA UNIV., UNIVERSITY. DEPT. OF TRADE AND INDUSTRIAL EDUCATION
TRADE AND INDUSTRIAL EDUCATION, STATE DEPARTMENT OF EDUCATION, P.O. BOX 2847, UNIVERSITY, ALABAMA 35486 ($2.00, ANSWER BOOK $1.25).
PUB DATE - JAN68 120P.

DESCRIPTORS - *STUDY GUIDES; *AGRICULTURAL ENGINEERING; *COOPERATIVE EDUCATION; *STUDENT RECORDS; *VOCATIONAL AGRICULTURE

ABSTRACT - FOR USE BY STUDENTS ENROLLED IN A COOPERATIVE AGRICULTURAL MECHANICS TRAINING PROGRAM, THIS STUDY GUIDE PROVIDES A STEP-BY-STEP TRADE ANALYSIS AND PROGRESS RECORD TO BE FOLLOWED AND KEPT UP-TO-DATE BY THE STUDENT, A STUDENT'S DAILY RECORD SHEET, AND INFORMATION SHEETS AND QUESTIONS KEYED TO STEPS OF THE PROGRESS REPORT. DETAILED INSTRUCTIONS FOR USING THE GUIDE ARE GIVEN AS WELL AS A BIBLIOGRAPHY OF REFERENCES NEEDED FOR COMPLETION OF THE ASSIGNMENTS. AN ANSWER BOOK MAY BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. (AW)

VT 010 696
FOLGER, A.N.
CLASSROOM DEMONSTRATIONS OF WOOD PROPERTIES.

DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST PRODUCT LAB.
PA-900
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A1.68-900, $.60).
PUB DATE - APR69 42P.

DESCRIPTORS - *DEMONSTRATIONS (EDUCATIONAL); INDUSTRIAL EDUCATION; NATURAL SCIENCES; *INSTRUCTIONAL MATERIALS; AGRICULTURAL EDUCATION; TEACHER DEVELOPED MATERIALS
IDENTIFIERS - *WOOD PROPERTIES

ABSTRACT - INTRODUCTORY MATERIAL DESCRIBES THE GENERAL PROPERTIES OF HARDWOODS AND SOFTWOODS FOLLOWED BY 20 EXPERIMENTS ILLUSTRATING: (1) WOODY PLANTS, (2) WOOD ANATOMY, AND (3) THE EFFECTS OF ANATOMY ON PERFORMANCE. THE DEMONSTRATIONS ARE SIMPLE AND APPROPRIATE FOR USE IN THE LOWER GRADES;

MOST REQUIRING NO SPECIAL APPARATUS AND A FEW REQUIRING EQUIPMENT NORMALLY FOUND IN A BOTANY LABORATORY. A GLOSSARY AND PHOTOGRAPHS OF WOOD STRUCTURE ARE APPENDED. THE DOCUMENT IS ILLUSTRATED WITH LINE DRAWINGS AND PHOTOGRAPHS. (GR)

VT 010 702
LOBERGER, RICHARD; WESTON, CURTIS R.
REFERENCE MATERIALS FOR TEACHING AGRICULTURAL MECHANICS. AGRICULTURAL EDUCATION SERIES, VOLUME 2, NUMBER 1.

MISSOURI UNIV., COLUMBIA.
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. AGRICULTURAL EDUCATION SECTION
INSTRUCTIONAL MATERIALS LABORATORY, UNIVERSITY OF MISSOURI, 8 INDUSTRIAL EDUCATION BUILDING, COLUMBIA, MISSOURI 65201.
PUB DATE - JUL69 39P.

DESCRIPTORS - *REFERENCE MATERIALS; *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; REFERENCE BOOKS; TEXTBOOKS; INSTRUCTIONAL MATERIALS

ABSTRACT - A COMPILATION FROM LITERATURE RECEIVED FROM PUBLISHING COMPANIES, STATE DEPARTMENTS OF EDUCATION, AND INSTITUTIONS TRAINING VOCATIONAL AGRICULTURE TEACHERS, THIS BULLETIN PROVIDES A LISTING OF TEXTS AND REFERENCES AVAILABLE IN THE AREA OF AGRICULTURAL MECHANICS. CONTENTS ARE DIVIDED INTO THE FOLLOWING FIVE CATEGORIES OF AGRICULTURAL MECHANIZATION: (1) WOODWORKING, METALWORK, WELDING, AND CONCRETE, (2) AGRICULTURAL POWER AND MACHINERY, INCLUDING AUTOMOTIVE, (3) ELECTRICITY AND PROCESSING, (4) AGRICULTURAL STRUCTURES, INCLUDING BLUEPRINT READING, AND (5) SOIL AND WATER CONSERVATION ENGINEERING PRACTICES. WITHIN EACH CATEGORY, BOOKS ARE LISTED BY AUTHOR AND TITLE, AND INCLUDE COPYRIGHT DATE, RECOMMENDED USE AND LEVEL, NUMBER OF PAGES, PRICE, DISCOUNT, IF ANY, AND AVAILABILITY SOURCE NUMBERS KEYED TO A LIST OF PUBLISHERS AND ADDRESSES. (AW)

VT 010 706
WESTON, CURTIS, AND OTHERS
HOW TO BUILD PICKUP RACKS, A SALT AND MINERAL FEEDER, A CALF CREEP FEEDER, AND A TRACTOR CARRY-ALL.

MISSOURI UNIV., COLUMBIA.
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. AGRICULTURAL EDUCATION SECTION
INSTRUCTIONAL MATERIALS LABORATORY, UNIVERSITY OF MISSOURI, 8 INDUSTRIAL EDUCATION BUILDING, COLUMBIA, MISSOURI 65201.
PUB DATE - MAR69 44P.

DESCRIPTORS - *BUILDING PLANS; *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *EQUIPMENT; *DIAGRAMS; ILLUSTRATIONS; AGRICULTURAL MACHINERY; INSTRUCTIONAL MATERIALS; UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY VOCATIONAL AGRICULTURE INSTRUCTORS, THESE PLANS FOR BUILDING PICKUP RACKS, A SALT AND MINERAL FEEDER, A CALF CREEP FEEDER, AND A TRACTOR CARRY-ALL INCLUDE DIAGRAMS, DESCRIPTIONS, SUGGESTIONS, AND BILLS OF MATERIAL. (GB)

VT 010 715
LAW FOR THE FARMER.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VAS2018A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.30).
PUB DATE - 70 25P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *REFERENCE MATERIALS; *AGRICULTURAL PRODUCTION; *LAWS; *STATE LAWS; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; VOCATIONAL AGRICULTURE

ABSTRACT - INTENDED FOR USE IN HIGH SCHOOL OR ADULT CLASSES STUDYING PRODUCTION AGRICULTURE, THIS STUDENT TEXT AND REFERENCE RELATING TO THE LEGAL PROBLEMS AFFECTING THE FARMER WAS DESIGNED BY SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, AND AN ADVISORY COMMITTEE OF TEACHERS. SUBJECT AREAS COVERED INCLUDE: (1) PROPERTY, (2) LANDLORD AND TENANT, (3) FARM LABOR, (4) DRAINAGE AND WATER RIGHTS, (5) FENCES, (6) LIVESTOCK, AND (7) ANIMAL DISEASES. RECOMMENDED TIME ALLOTMENT FOR COVERING THE MATERIAL IS 2 TO 8 HOURS. (AW)

VT 010 725
HERBST, J.H.
PLANNING YOUR FARM BUSINESS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.30).
PUB DATE - 69 35P.

DESCRIPTORS - *WORKBOOKS; STUDY GUIDES; *SUPPLEMENTARY TEXTBOOKS; *AGRICULTURAL PRODUCTION; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT

ABSTRACT - DEVELOPED BY AN ASSOCIATE PROFESSOR OF FARM MANAGEMENT AND AGRICULTURAL EDUCATION, THIS STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL OR ADULT CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS PRESENT A SYSTEMATIC APPROACH TO PLANNING A SUCCESSFUL FARM BUSINESS, INCLUDING: (1) MAKING AN INVENTORY OF PHYSICAL RESOURCES, (2) SETTING UP A PLAN FOR LAND USE, (3) ESTIMATING CROP PRODUCTION VALUE, (4) FITTING THE LIVESTOCK PROGRAM TO THE NEEDS OF THE FARM, (5) CHECKING ON LABOR NEEDS AND SUPPLY, (6) ESTIMATING BUILDING, EQUIPMENT, AND SOIL-FERTILITY COSTS, (7) ESTIMATING NET EARNINGS UNDER THE NEW PLAN, AND (8) PLANNING TO MEET CREDIT NEEDS. (AW)

VT 010 726
COURSON, R.L.
NITRATES IN WATER SUPPLIES, FIELD CROPS, AND RUMINANT NUTRITION.

ILLINOIS UNIV., URBANA. VOCATIONAL

AGRICULTURE SERVICE
VAS 4050
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - 70 13P.

DESCRIPTORS - *REFERENCE MATERIALS; *UNITS OF STUDY (SUBJECT FIELDS); TEXTBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; *FERTILIZERS
IDENTIFIERS - *NITRATES

ABSTRACT - THIS INDIVIDUALLY-AUTHORED STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL OR ADULT VOCATIONAL AGRICULTURE CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS COVER SEVEN PROBLEM AREAS, INCLUDING: (1) AMOUNT OF NITRATE BEING LOST IN WATER, (2) NITRATE ACCUMULATION IN PLANTS, (3) REDUCTION OF THE DANGER OF NITRATES, (4) NITRATES IN WATER SUPPLIES, (5) SAFETY OF WELL WATER, (6) PROTECTION OF WATER SUPPLIES, AND (7) NITRATE CONSUMPTION BY RUMINANTS. THE MATERIAL SHOULD BE COVERED IN 1 TO 3 CLASS HOURS. (AW)

VT 010 727
HERBST, J.H.
SALESMANSHIP IN AGRICULTURAL BUSINESS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.30).
PUB DATE - 70 25P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; RESOURCE MATERIALS; VOCATIONAL AGRICULTURE; AGRICULTURAL PRODUCTION; *AGRICULTURAL SUPPLY OCCUPATIONS; *SALES OCCUPATIONS; SALES WORKERS; SECONDARY GRADES; *SALESMANSHIP; *UNITS OF STUDY (SUBJECT FIELDS); ADULT VOCATIONAL EDUCATION

ABSTRACT - DEVELOPED BY AN ASSOCIATE PROFESSOR OF FARM MANAGEMENT AND AGRICULTURAL EDUCATION, THIS STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL OR ADULT CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS COVER EIGHT ASPECTS OF AGRICULTURAL SALESMANSHIP, INCLUDING: (1) OPPORTUNITIES IN AGRICULTURAL BUSINESS, (2) THE SALESMAN'S ROLE IN THE ECONOMY, (3) PERSONAL QUALITIES AND KNOWLEDGE REQUIRED OF A SALESMAN, (4) CUSTOMER MOTIVATION, (5) OPENING, CONDUCTING, AND CLOSING SALES INTERVIEWS, AND (6) HANDLING CUSTOMER OBJECTIONS. THE TEXT IS ILLUSTRATED WITH LINE DRAWINGS. TWO TO 8 CLOCK HOURS ARE RECOMMENDED FOR COVERING THE MATERIAL. (AW)

VT 010 729
COURSON, R.L.; PECK, T.R.
DETERMINING AVAILABLE POTASSIUM IN SOILS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS4004B
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.15).
PUB DATE - 70 13P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; *UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - THIS STUDENT TEXT AND REFERENCE, PREPARED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION, IS FOR USE IN HIGH SCHOOL OR ADULT PRODUCTION AGRICULTURE CLASSES. CONTENTS COVER THREE PROBLEM AREAS: (1) EQUIPMENT AND SUPPLIES NECESSARY FOR DETERMINING POTASSIUM IN SOILS, (2) PROCEDURE FOR MAKING SOIL POTASSIUM TESTS, AND (3) PROCEDURE FOR RECORDING TEST RESULTS. A CHART OF PHOTOMETER READINGS AND POUNDS OF POTASSIUM PER ACRE IS APPENDED. THE REFERENCE IS ILLUSTRATED WITH DIAGRAMS, DRAWINGS, AND PHOTOGRAPHS. RECOMMENDED TIME FOR COVERING THE MATERIAL IS 1 TO 3 HOURS. (AW)

VT 010 730
HANSEN, E.L.
APPRAISING FARM BUILDINGS.

ILLINOIS UNIV., URBANA. VOCATIONAL
AGRICULTURE SERVICE
VAS3017A
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD
HALL, UNIVERSITY OF ILLINOIS, URBANA,
ILLINOIS 61801 ($.30).
PUB DATE - 70 25P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *RESOURCE MATERIALS; *AGRICULTURAL PRODUCTION; *VOCATIONAL AGRICULTURE; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; *FARM STRUCTURES; EVALUATION; *UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - DEVELOPED BY AN ASSOCIATE PROFESSOR OF AGRICULTURAL EDUCATION AND AGRICULTURAL ENGINEERING, THIS STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL OR ADULT CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS COVER THE PROBLEMS OF APPRAISING FARM BUILDINGS AND METHODS FOR APPRAISAL, AND INCLUDE SAMPLE FORMS FOR APPRAISING 10 DIFFERENT TYPES OF FARM BUILDINGS AND FACILITIES. THE BOOKLET IS ILLUSTRATED WITH NUMEROUS DRAWINGS AND DIAGRAMS, AND THE RECOMMENDED TIME FOR COVERING THE MATERIAL IS 2 TO 8 HOURS. (AW)

VT 010 745
TULLOCH, RODNEY W.; CURTIS, SAMUEL M.
ASCS AND YOU, A TEACHER'S MANUAL. TEACHER
EDUCATION SERIES, VOLUME 10, NUMBER 5T.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
DEPT. OF AGRICULTURAL EDUCATION
AGRICULTURAL STABILIZATION AND CONSERVATION
SERVICE (DOA), WASHINGTON, D.C.
DEPARTMENT OF AGRICULTURAL EDUCATION, 101
AGRICULTURAL EDUCATION BUILDING, UNIVERSITY
PARK, PENNSYLVANIA 16802.
PUB DATE - 69 154P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *FEDERAL PROGRAMS; GRADE 12; SECONDARY SCHOOLS; AREA VOCATIONAL SCHOOLS;

PROGRAM GUIDES; *RESOURCE UNITS; *CURRICULUM GUIDES
IDENTIFIERS - *AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE; ASCS

ABSTRACT - WRITTEN BY A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION, AND FIELD TESTED IN 17 SCHOOLS PRIOR TO PUBLICATION, THIS MANUAL IS FOR TEACHER USE IN PLANNING AND TEACHING A UNIT ON AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (ASCS) PROGRAMS. THE UNIT IS INTENDED FOR USE IN HIGH SCHOOL OR AREA VOCATIONAL-TECHNICAL SCHOOL CLASSES COMPRISED OF STUDENTS HAVING OCCUPATIONAL INTERESTS IN FARMING OR OFF-FARM AGRICULTURAL BUSINESS. CONTENTS ARE DIVIDED INTO THE FOLLOWING FOUR SECTIONS, EACH CONTAINING ONE OR MORE LESSONS: FEDERAL FARM PROGRAMS, ASCS ORGANIZATION, HISTORY AND BACKGROUND, AND ECONOMIC PRINCIPLES. GENERAL ASCS INFORMATION, UNIT REFERENCES, AND TEACHING SUGGESTIONS ARE GIVEN FOR THE UNIT LESSONS AND PRINTED ON GREEN PAPER FOR EASE IN LOCATING. APPENDIXES PROVIDE OVERHEAD TRANSPARENCY MASTERS AND ORDER FORMS FOR ASCS RESOURCE MATERIALS AND AUDIO-VISUAL MATERIALS. THE RELATED STUDENT MANUAL IS AVAILABLE AS VT 010 746, ALSO IN THIS ISSUE. (AW)

VT 010 746
TULLOCH, RODNEY W.; CURTIS, SAMUEL M.
ASCS AND YOU, A STUDENT RESOURCE UNIT. TEACHER EDUCATION SERIES, VOLUME 10, NUMBER 5S.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION
AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (DOA), WASHINGTON, D.C.
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802.
PUB DATE - 69 105P.

DESCRIPTORS - *RESOURCE UNITS; *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *FEEDERAL PROGRAMS; GRADE 12; SECONDARY SCHOOLS; AREA VOCATIONAL SCHOLS; *TEXTBOOKS
IDENTIFIERS - *AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE; ASCS

ABSTRACT - THIS STUDENT RESOURCE MANUAL WAS WRITTEN BY A GRADUATE ASSISTANT IN AGRICULTURAL EDUCATION, FIELD TESTED IN 17 SCHOOLS, AND REVIEWED BY STATE AND NATIONAL AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE (ASCS) SPECIALISTS PRIOR TO PUBLICATION. THE UNIT PROVIDES INFORMATION ABOUT ASCS PROGRAMS FOR THOSE HIGH SCHOOL OR VOCATIONAL SCHOOL STUDENTS INTERESTED IN FARMING OR IN OFF-FARM AGRICULTURAL BUSINESS. DIVIDED INTO FOUR SECTIONS, EACH CONTAINING ONE OR MORE LESSONS, THE CONTENT COVERS: FEDERAL FARM PROGRAMS, ASCS ORGANIZATION, HISTORY AND BACKGROUND, AND ECONOMIC PRINCIPLES. THE RELATED TEACHER'S MANUAL IS AVAILABLE AS VT 010 745, ALSO IN THIS ISSUE. (AW)

VT 010 754
FUNDAMENTALS OF SERVICE: POWER TRAINS.

DEERE (JOHN), AND CO., MOLINE, ILL.
JOHN DEERE SERVICE PUBLICATIONS, JOHN DEERE ROAD, MOLINE, ILLINOIS 61265 ($5.00, A COMPREHENSIVE COLOR SLIDE SET OF THE ILLUSTRATIONS IN THE "POWER TRAINS" MANUAL IS AVAILABLE FOR $55.00).
PUB DATE - JUN69 148P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *MANUALS; TEXTBOOKS; *POWER MECHANICS; FLUID POWER EDUCATION; *AGRICULTURAL ENGINEERING; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; SERVICE OCCUPATIONS; ILLUSTRATIONS

ABSTRACT - DEVELOPED BY DEERE AND COMPANY, THIS TRAINING MANUAL IS TO BE USED BY SHOP TRAINEES OR EXPERIENCED MECHANICS IN UNDERSTANDING AND SERVICING POWER TRAINS. THE CHAPTERS, ARRANGED IN A STEP-BY-STEP MANNER, ARE: (1) POWER TRAINS: HOW THEY WORK, (2) CLUTCHES, (3) MECHANICAL TRANSMISSIONS, (4) HYDRAULIC ASSIST TRANSMISSIONS, (5) HYDROSTATIC DRIVES, (6) TORQUE CONVERTERS, (7) DIFFERENTIALS, (8) FINAL DRIVES, (9) POWER TAKE-OFFS, AND (10) SPECIAL DRIVES. THE TEXT IS ILLUSTRATED WITH PHOTOGRAPHS AND LINE DRAWINGS. DEFINITIONS OF TERMS AND SYMBOLS AND A SUBJECT INDEX ARE INCLUDED. A COMPREHENSIVE COLOR SLIDE SET OF THE ILLUSTRATIONS IN THE MANUAL MAY BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. RELATED DOCUMENTS ARE AVAILABLE AS VT 010 755-VT 010 757 (ALL IN THIS ISSUE). (SB)

VT 010 755
FUNDAMENTALS OF SERVICE: HYDRAULICS.

DEERE (JOHN) AND CO., MOLINE, ILL.
JOHN DEERE SERVICE PUBLICATIONS, JOHN DEERE ROAD, MOLINE, ILLINOIS 61265 ($5.00, COMPREHENSIVE COLOR SLIDE SET OF ILLUSTRATIONS IN MANUAL AVAILABLE FOR $58.00).
PUB DATE - NOV67 167P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *MANUALS; TEXTBOOKS; *HYDRAULICS; FLUID POWER EDUCATION; *AGRICULTURAL ENGINEERING; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; SERVICE OCCUPATIONS; ILLUSTRATIONS

ABSTRACT - THIS GUIDE WAS DEVELOPED BY DEERE AND COMPANY FOR SHOP TRAINEES OR EXPERIENCED MECHANICS FOR USE IN UNDERSTANDING AND SERVICING HYDRAULIC SYSTEMS. THE CHAPTERS, ARRANGED IN A STEP-BY-STEP MANNER, COVER FIRST THE BASICS, FOLLOWED BY NINE CHAPTERS DETAILING THE WORKING PARTS OF HYDRAULIC CIRCUITS, AND CLOSING WITH TWO CHAPTERS ON GENERAL MAINTENANCE AND REPAIR. CHAPTERS ARE: (1) HYDRAULICS: HOW IT WORKS, (2) HYDRAULIC PUMPS, (3) HYDRAULIC VALVES, (4) HYDRAULIC CYLINDERS, (5) HYDRAULIC MOTORS, (6) HYDRAULIC ACCUMULATORS, (7) HYDRAULIC FILTERS, (8) RESERVOIRS, OIL COOLERS, HOSES, PIPES, TUBES, AND COUPLERS, (9) HYDRAULIC SEALS, (10) HYDRAULIC FLUIDS, (11) GENERAL MAINTENANCE, AND (12) DIAGNOSIS AND TESTING OF HYDRAULIC SYSTEMS. THE LINE DRAWINGS AND PHOTOGRAPHS ILLUSTRATING THE TEXT ARE AVAILABLE AS A COMPREHENSIVE COLOR SLIDE SET

FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. DEFINITIONS OF TERMS AND SYMBOLS ARE INCLUDED AS WELL AS A SUBJECT INDEX. RELATED DOCUMENTS ARE AVAILABLE AS VT 010 754, VT 010 756, AND VT 010 757 (ALL IN THIS ISSUE). (SB)

VT 010 756
FUNDAMENTALS OF SERVICE: ENGINES.

DEERE (JOHN), AND CO., MOLINE, ILL.
JOHN DEERE SERVICE PUBLICATIONS, JOHN DEERE ROAD, MOLINE, ILLINOIS 61265 ($6.50, COMPREHENSIVE COLOR SLIDE SET OF THE ILLUSTRATIONS AVAILABLE FOR $64.00).
PUB DATE - OCT68 281P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *MANUALS; TEXTBOOKS; SERVICE OCCUPATIONS; *ENGINES; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; *AGRICULTURAL ENGINEERING; ILLUSTRATIONS

ABSTRACT - INFORMATION IN THIS TRAINING AND REFERENCE MANUAL WAS DEVELOPED BY DEERE AND COMPANY FOR SHOP TRAINEES OR FOR EXPERIENCED MECHANICS. ARRANGED IN A STEP-BY-STEP MANNER, THE FIRST TWO CHAPTERS COVER THE BASICS OF ENGINES, FOLLOWED BY SEVEN CHAPTERS EXPLAINING VARIOUS SYSTEMS, AND CONCLUDING WITH THREE CHAPTERS DISCUSSING THE COMPLETE ENGINE IN TERMS OF TESTING, DIAGNOSIS, AND TUNE-UP. CHAPTERS ARE: (2) ENGINES: HOW THEY WORK, (2) BASIC ENGINE, (3) GASOLINE FUEL SYSTEMS, (4) LP-GAS FUEL SYSTEMS, (5) DIESEL FUEL SYSTEMS, (6) INTAKE AND EXHAUST SYSTEMS, (7) LUBRICATION SYSTEMS, (8) COOLING SYSTEMS, (9) GOVERNING SYSTEMS, (10) ENGINE TEST EQUIPMENT AND SERVICE TOOLS, (11) DIAGNOSIS AND TESTING, AND (12) ENGINE TUNE-UP. ALSO INCLUDED ARE DEFINITIONS OF TERMS AND SYMBOLS AS WELL AS A SUBJECT INDEX. A COMPREHENSIVE COLOR SLIDE SET OF THE LINE DRAWINGS AND PHOTOGRAPHS ILLUSTRATING THE TEXT IS AVAILABLE FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. RELATED DOCUMENTS ARE AVAILABLE AS VT 010 754, VT 010 755, AND VT 010 757 (ALL IN THIS ISSUE). (SB)

VT 010 757
FUNDAMENTALS OF SERVICE: ELECTRICAL SYSTEMS.

DEERE (JOHN) AND CO., MOLINE, ILL.
JOHN DEERE SERVICE PUBLICATIONS, JOHN DEERE ROAD, MOLINE, ILLINOIS 61265 ($6.00, COMPREHENSIVE COLOR SLIDE SET OF ILLUSTRATIONS AVAILABLE FOR $45.00).
PUB DATE - MAR68 222P.

DESCRIPTORS - *MANUALS; SUPPLEMENTARY TEXTBOOKS; *ELECTRICAL SYSTEMS; ELECTRICITY; ELECTRIC CIRCUITS; ELECTRIC BATTERIES; *AGRICULTURAL ENGINEERING; AGRICULTURAL MACHINERY; *AGRICULTURAL MACHINERY OCCUPATIONS; SERVICE OCCUPATIONS; ILLUSTRATIONS; *AGRICULTURAL EDUCATION

ABSTRACT - DEVELOPED BY DEERE AND COMPANY FOR USE AS A TRAINING MANUAL FOR SHOP TRAINEES OR AS A REFERENCE SOURCE FOR EXPERIENCED MECHANICS, THIS MANUAL CONTAINS INFORMATION ON UNDERSTANDING AND SERVICING ELECTRICAL SYSTEMS. ARRANGED IN A STEP-BY-STEP MANNER, THE FIRST TWO CHAPTERS CONTAIN BASIC INFORMATION ON ELECTRICITY AND EQUIPMENT, FOLLOWED BY FIVE CHAPTERS DETAILING THE WORKING PARTS OF VARIOUS CIRCUITS, AND CONCLUDING WITH TWO CHAPTERS DISCUSSING GENERAL MAINTENANCE OF THE COMPLETE SYSTEM. CHAPTERS ARE: (1) ELECTRICITY: HOW IT WORKS, (2) TESTING TOOLS AND EQUIPMENT, (3) STORAGE BATTERIES, (4) CHARGING CIRCUITS, (5) STARTING CIRCUITS, (6) IGNITION CIRCUITS, (7) LIGHTING AND ACCESSORY CIRCUITS, (8) GENERAL MAINTENANCE, AND (9) DIAGNOSIS AND TESTING OF ELECTRICAL SYSTEMS. DEFINITIONS OF TERMS AND SYMBOLS AS WELL AS A SUBJECT INDEX ARE INCLUDED. A COMPREHENSIVE COLOR SLIDE SET OF THE LINE DRAWINGS AND PHOTOGRAPHS ILLUSTRATING THE TEXT IS AVAILABLE FROM THE SOURCE OF AVAILABILITY INDICATED FOR THE DOCUMENT. RELATED DOCUMENTS ARE AVAILABLE AS VT 010 754, VT 010 755 AND VT 010 756 (ALL IN THIS ISSUE). (SB)

VT 010 762
HERBST, J.H.
STANDARDS FOR MEASURES OF EFFICIENCY FOR 1969.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 (10 FOR $.60).
PUB DATE - 69 7P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE MATERIALS; *AGRICULTURAL PRODUCTION; *STANDARDS; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; VOCATIONAL AGRICULTURE TEACHERS

ABSTRACT - DEVELOPED BY AN ASSOCIATE PROFESSOR OF FARM MANAGEMENT AND VOCATIONAL AGRICULTURE IN CONSULTATION WITH SUBJECT-MATTER SPECIALISTS, TEACHER EDUCATORS, SUPERVISORS, AND TEACHERS, THIS PAMPHLET WILL ASSIST VOCATIONAL AGRICULTURE TEACHERS IN SUPERVISING STUDENT FARMING PROGRAMS. EFFICIENCY MEASURES ARE PROVIDED IN LIST FORM FOR: (1) BEEF, DAIRY, AND FEEDER CATTLE, (2) POULTRY, (3) SHEEP, (4) SWINE, AND (5) CORN, SOYBEANS, OATS, AND WHEAT. PROVIDED IN TABULAR FORM ARE A SCHEDULE OF LAND VALUES BY SOIL PRODUCTIVITY RATINGS AND A PRELIMINARY REPORT ON CORN, SOYBEAN, WHEAT, AND OAT YIELDS BY COUNTIES IN ILLINOIS FOR 1969. THE MATERIAL CAN BE USED AS A TEXT OR REFERENCE FOR HIGH SCHOOL OR ADULT EDUCATION STUDENTS WHO HAVE AN AGRICULTURAL INTEREST AND OCCUPATIONAL OBJECTIVES. AN EARLIER VERSION, "STANDARDS FOR MEASURES OF EFFICIENCY FOR 1966," IS AVAILABLE AS VT 004 283 (AIM SPRING 1968). (SB)

VT 010 765 ED 038 527
AGRICULTURAL EQUIPMENT TECHNOLOGY: A SUGGESTED 2-YEAR POST HIGH SCHOOL CURRICULUM.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
OE-81015
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (FS5.281:81015, $1.25).
PUB DATE - 70 120P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL TECHNICIANS; *AGRICULTURAL ENGINEERING; *EQUIPMENT; TECHNICAL EDUCATION; POST SECONDARY EDUCATION; PROGRAM DEVELOPMENT

ABSTRACT - DEVELOPED BY A SUBJECT MATTER SPECIALIST, THIS SUGGESTED CURRICULUM GUIDE IS INTENDED TO ASSIST SCHOOL ADMINISTRATORS, ADVISORY COMMITTEES, SUPERVISORS, AND TEACHERS IN PLANNING AND DEVELOPING NEW PROGRAMS OR EVALUATING EXISTING ONES IN AGRICULTURAL EQUIPMENT TECHNOLOGY. THE GUIDE PROVIDES SUGGESTED COURSE OUTLINES, INCLUDING EXAMPLES OF TEXTS AND REFERENCES, A SEQUENCE OF TECHNICAL EDUCATION PROCEDURE, FARM LAND REQUIREMENTS, LABORATORY LAYOUTS WITH EQUIPMENT AND COSTS, A SELECTED LIST OF SCIENTIFIC, TRADE, AND TECHNICAL SOCIETIES, AND SPECIAL LIBRARY, FACULTY, AND STUDENT SERVICES. GROUPED UNDER THE GENERAL HEADINGS OF TECHNICAL COURSES, MATHEMATICS AND SCIENCE COURSES, AUXILIARY AND SUPPORTING TECHNICAL COURSES, AND GENERAL COURSES, THE 25 COURSE OUTLINES INCLUDE: (1) AGRICULTURAL CHEMICAL EQUIPMENT, (2) FARM POWER, (3) PRINCIPLES OF FARM MECHANIZATION, (4) WELDING, (5) APPLIED MATHEMATICS, (6) APPLIED PHYSICS, (7) ACCOUNTING FOR AGRICULTURAL EQUIPMENT BUSINESS, (8) AGRICULTURAL EQUIPMENT TECHNOLOGY SEMINARS, (9) SELLING, DISTRIBUTING AND DIAGRAMING, (10) TECHNICAL REPORTING, (11) AMERICAN INSTITUTIONS, AND (12) GENERAL AND INDUSTRIAL ECONOMICS. THE 215-HOUR PROGRAM MAY BE ADAPTED TO MEET LOCAL, STATE, AND REGIONAL NEEDS. (AW)

VT 010 879 ED 038 538
GREENHOUSE CROP PRODUCTION; A TEACHER'S MANUAL. TEACHER EDUCATION SERIES, VOLUME 10 NUMBER 3T.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
OEC-5-85-014 08
BR-5-0022
PUB DATE - 69 246P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *MANUALS; *SUPPLEMENTARY TEXTBOOKS; AGRICULTURAL OCCUPATIONS; *GREENHOUSES; NURSERY WORKERS (HORTICULTURE); *NURSERIES (HORTICULTURE); CONTROLLED ENVIRONMENT; PLANT GROWTH; PLANT PROPAGATION; CAREER OPPORTUNITIES; SECONDARY GRADES; POST SECONDARY EDUCATION

ABSTRACT - DEVELOPED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION OF THE PENNSYLVANIA STATE UNIVERSITY AND FIELD-TESTED BY 54 TEACHERS, THIS GUIDE IS FOR TEACHER USE IN PLANNING A UNIT IN GREENHOUSE CROP PRODUCTION. THE UNIT IS INTENDED FOR UPPER HIGH SCHOOL AND POST-HIGH SCHOOL STUDENTS INTERESTED IN CAREERS IN THIS FIELD. TEACHER SUGGESTIONS, REFERENCES, AND INFORMATION FROM THE STUDENT'S HANDBOOK (VT 010 880, ALSO IN THIS ISSUE), WHICH INCLUDES LEARNING OBJECTIVES, KEY QUESTIONS, VOCABULARY TERMS, AND SUBJECT MATTER, ARE PROVIDED FOR THESE PROBLEM AREAS: (1) OCCUPATIONAL OPPORTUNITIES IN GREENHOUSE CROP PRODUCTION, (2) GREENHOUSE LOCATION, STRUCTURES, AND EQUIPMENT, (3) ENVIRONMENTAL CONTROL, POTTED PLANT PRODUCTION, (5) CUT FLOWER PRODUCTION, AND (6) VEGETABLE PRODUCTION. A CUMULATIVE TABLE OF DAYS PER YEAR, FLOWER HOLIDAYS FOR 1970-1976, AND A GREENHOUSE CROP PRODUCTION EXAMINATION ARE APPENDED. (SB)

VT 010 880 ED 038 539
GREENHOUSE CROP PRODUCTION; A STUDENT HANDBOOK. TEACHER EDUCATION SERIES, VOLUME 10 NUMBER 3S.

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION, UNIVERSITY PARK
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. BUREAU OF RESEARCH
OEC-5-85-014 08
BR-5-0022
PUB DATE - 69 202P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *STUDY GUIDES; *SUPPLEMENTARY TEXTBOOKS; AGRICULTURAL OCCUPATIONS; *GREENHOUSES; NURSERY WORKERS (HORTICULTURE); *NURSERIES (HORTICULTURE); CONTROLLED ENVIRONMENT; PLANT GROWTH; PLANT PROPAGATION; CAREER OPPORTUNITIES; SECONDARY GRADES; POST SECONDARY EDUCATION

ABSTRACT - THIS STUDY GUIDE, DEVELOPED BY THE DEPARTMENT OF AGRICULTURAL EDUCATION OF THE PENNSYLVANIA STATE UNIVERSITY AND FIELD-TESTED BY 54 TEACHERS, IS FOR STUDENT USE IN A UNIT ON GREENHOUSE CROP PRODUCTION. LEARNING OBJECTIVES, KEY QUESTIONS, VOCABULARY TERMS, SUBJECT MATTER, AND REFERENCES ARE INCLUDED FOR EACH OF THESE PROBLEM AREAS: (1) OCCUPATIONAL OPPORTUNITIES IN GREENHOUSE CROP PRODUCTION, (2) GREENHOUSE LOCATION, STRUCTURES, AND EQUIPMENT, (3) ENVIRONMENTAL CONTROL, (4) POTTED PLANT PRODUCTION, (5) CUT FLOWER PRODUCTION, AND (6) VEGETABLE PRODUCTION. THE SUBJECT MATTER SECTIONS ARE SUGMENTED WITH PICTURES, DRAWINGS, DIAGRAMS, AND CHARTS. THE TEACHER'S MANUAL IS AVAILABLE AS VT 010 879 (ALSO IN THIS ISSUE). (SB)

VT 010 904
BURKHARDT, MARTIN E.
FARM MACHINERY SAFETY FOR THE INSTITUTIONAL FARM.

STATE UNIV. OF NEW YORK, COBLESKILL. AGRICULTURAL AND TECHNICAL COLL.
PUB DATE - DEC69 16P.PAPER FOR PRESENTATION AT THE ANNUAL FARM MEETING FOR STATE INSTITUTION FARMERS (COBLESKILL, N.Y., DEC. 3-5, 1969).

DESCRIPTORS - *AGRICULTURAL MACHINERY; MANUALS; *AGRICULTURAL MACHINERY OCCUPATIONS; TRACTORS; ADULT FARMER EDUCATION; EQUIPMENT; FARM MECHANICS (OCCUPATION); *FARM MANAGEMENT; *AGRICULTURAL SAFETY; SAFETY; *ACCIDENT PREVENTION

ABSTRACT - PREPARED BY AN ASSOCIATE PROFESSOR OF AGRICULTURAL ENGINEERING TECHNOLOGY, THIS PAPER IS DESIGNED TO AID INSTITUTIONAL FARM MANAGERS IN ACCIDENT PREVENTION BY INCREASING

THEIR AWARENESS AND KNOWLEDGE OF SAFETY STANDARDS AND PRACTICES RELATED TO THE SELECTION, OPERATION, AND MAINTENANCE OF FARM MACHINERY AND EQUIPMENT. TOPICS COVERED INCLUDE VEHICLE IDENTIFICATION, NOISE CONTROL, POWER TAKE-OFF ACCIDENT PREVENTION, TRACTOR OVERTURN PREVENTION AND PROTECTION, AND A SAFETY PROGRAM FOR THE INSTITUTIONAL FARM. LISTS OF SAFETY RULES FOR TRACTOR OPERATION, FILMS PROMOTING SAFETY IN FARM MACHINERY OPERATION, AND OTHER RESOURCES FOR DEVELOPING FARM SAFETY PROGRAMS ARE APPENDED. THE BULLETIN ALSO INCLUDES A BIBLIOGRAPHY. (AW)

VT 010 905
WITT, W.H.
SILAGE AS AN ANIMAL FEED.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VAS-1043
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA. ILLINOIS 61801 ($.10).
PUB DATE - 70 9P.

DESCRIPTORS - *STUDY GUIDES; UNITS OF STUDY (SUBJECT FIELDS); RESOURCE MATERIALS; *AGRICULTURAL PRODUCTION; *VOCATIONAL AGRICULTURE; *LIVESTOCK; *NUTRITION

ABSTRACT - THIS STUDENT TEXT AND REFERENCE WAS PREPARED BY AN ASSOCIATE PROFESSOR OF AGRICULTURAL EDUCATION FOR USE IN HIGH SCHOOL OR ADULT PRODUCTION AGRICULTURAL CLASSES. CONTENTS PROVIDE INFORMATION ON FOUR SUBJECT AREAS: SILAGE FOR DAIRY CATTLE, SILAGE FOR BEEF CATTLE, SILAGE FOR SHEEP, AND SILAGE FOR SWINE. THE MATERIAL MAY BE COVERED IN 1 OR 2 CLOCK HOURS. (AW)

VT 010 906
ESPENSCHIED, R.F.
TIRES FOR FARM EQUIPMENT.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VAS-3031
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - 70 21P.

DESCRIPTORS - *STUDY GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *EQUIPMENT

ABSTRACT - PREPARED BY AN ASSOCIATE PROFESSOR OF AGRICULTURAL EDUCATION AND AGRICULTURAL ENGINEERING, THIS STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL OR ADULT PRODUCTION AGRICULTURE CLASSES. TEN PROBLEM AREAS ARE DISCUSSED, INCLUDING: (1) HOW IS A FARM TIRE CONSTRUCTED? (2) WHAT TYPES OF AGRICULTURAL TIRES ARE AVAILABLE? (3) WHAT DO PLY RATINGS, TIRE GRADES, AND TIRE SIZES MEAN? (4) WHAT SHOULD I CONSIDER WHEN REPLACING TIRES? (5) HOW SHOULD TIRES BE STORED? (6) WHY IS PROPER INFLATION IMPORTANT? (7) WHAT OTHER KINDS OF DAMAGE OCCURS TO TIRES? (8) WHAT ARE THE STEPS FOR DEMOUNTING AND MOUNTING TIRES? (9) HOW CAN DRIVE WHEEL SLIPPAGE BE REDUCED? AND (10) WHAT ARE THE STEPS IN A PROGRAM OF TIRE MAINTENANCE? RECOMMENDED TIME ALLOTMENT FOR COVERING THE MATERIAL IS 2 TO 6 CLOCK HOURS. THE BULLETIN IS ILLUSTRATED WITH PHOTOGRAPHS, LINE DRAWINGS, DIAGRAMS, AND TABLES. (AW)

VT 010 907
ESPENSCHIED, R.F.; BUTLER, B.J.
ELECTRICAL FUNDAMENTALS USEFUL IN ENGINE ANALYSIS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VAS-3032
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.25).
PUB DATE - 70 21P.

DESCRIPTORS - *STUDY GUIDES; RESOURCE MATERIALS; *AGRICULTURAL PRODUCTION; *VOCATIONAL AGRICULTURE; *ELECTRICITY; UNITS OF STUDY (SUBJECT FIELDS); ENGINES; ELECTRIC MOTORS; *AGRICULTURAL ENGINEERING; SUPPLEMENTARY TEXTBOOKS

ABSTRACT - THIS STUDENT TEXT AND REFERENCE WAS PREPARED BY MEMBERS OF THE AGRICULTURAL ENGINEERING DEPARTMENT OF THE UNIVERSITY OF ILLINOIS FOR USE IN HIGH SCHOOL OR ADULT CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS ARE DIVIDED INTO THREE SECTIONS COVERING FUNDAMENTALS OF ELECTRICITY, MAGNETS AND MAGNETISM, AND ELECTRICAL MEASURING INSTRUMENTS. RECOMMENDED TIME ALLOTMENT FOR COVERING THE MATERIAL IS 2 TO 6 CLOCK HOURS. THE BULLETIN IS ILLUSTRATED WITH NUMEROUS LINE DRAWINGS, FIGURES, AND DIAGRAMS. (AW)

VT 010 908
ESPENSCHIED, R.F.
SPOT WELDING FOR AGRICULTURAL MECHANICS SHOPS.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VAS-3033
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.15).
PUB DATE - 70 13P.

DESCRIPTORS - RESOURCE MATERIALS; UNITS OF STUDY (SUBJECT FIELDS); *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *WELDING; AGRICULTURAL PRODUCTION

ABSTRACT - WRITTEN BY AN ASSOCIATE PROFESSOR OF AGRICULTURAL EDUCATION AND AGRICULTURAL ENGINEERING, THIS STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL OR ADULT CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS COVER FIVE SECTIONS, INCLUDING: (1) WHAT IS SPOT WELDING? (2) HOW SHOULD A SPOT WELDER BE INSTALLED? (3) HOW ARE CERTAIN METALS SPOT WELDED? (4) WHAT MAINTENANCE DO SPOT WELDERS NEED? AND (5) WHAT CAN BE DONE IF THE SPOT WELDER FAILS TO OPERATE SATISFACTORILY? RECOMMENDED TIME ALLOTMENT FOR COVERING THE MATERIAL IS 3 TO 5 CLOCK HOURS. THE BULLETIN IS ILLUSTRATED WITH NUMEROUS LINE DRAWINGS, TABLES, AND DIAGRAMS. (AW)

VT 010 968 ED 039 346
FARM CROP PRODUCTION TECHNOLOGY: FIELD AND FORAGE CROP AND FRUIT AND VINE PRODUCTION OPTIONS. A SUGGESTED 2-YEAR POST HIGH SCHOOL CURRICULUM.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. DIV. OF VOCATIONAL AND TECHNICAL EDUCATION
OE-81016
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (FS5.280:81016, $1.50).
PUB DATE - FEB70 187P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *PROGRAM GUIDES; *CURRICULUM GUIDES; FARM MANAGEMENT; FARM OCCUPATIONS; FIELD CROPS; *AGRICULTURAL PRODUCTION; POST SECONDARY EDUCATION; *AGRICULTURAL TECHNICIANS; EDUCATIONAL FACILITIES; BIBLIOGRAPHIES
IDENTIFIERS - FORAGE CROPS; FRUIT PRODUCTION; VINE PRODUCTION

ABSTRACT - PREPARED BY A JUNIOR COLLEGE UNDER CONTRACT WITH THE OFFICE OF EDUCATION, THE CURRICULUM MATERIALS ARE DESIGNED TO ASSIST SCHOOL ADMINISTRATORS, ADVISORY COMMITTEES, SUPERVISORS, AND TEACHERS IN DEVELOPING OR EVALUATING POST-SECONDARY PROGRAMS IN FARM CROP PRODUCTION TECHNOLOGY. INFORMATION WAS GATHERED BY VISITS TO THE IMPORTANT FARM REGIONS AND TO OUTSTANDING SCHOOLS WITH TECHNICIAN PROGRAMS AND CONSULTATIONS WITH TEACHERS, ADMINISTRATORS, AND REPRESENTATIVES OF PRIVATE BUSINESS AND FARMING. INCLUDED IN THE GUIDE ARE: (1) SUGGESTED COURSE OUTLINES WITH COURSE DESCRIPTIONS AND EXAMPLES OF TEXTS AND REFERENCES, (2) INFORMATION ON THE SEQUENCE OF TECHNICAL EDUCATION PROCEDURE, (3) LABORATORY LAYOUTS WITH EQUIPMENT AND COST, (4) DISCUSSION OF LAND REQUIREMENTS, (5) SECTIONS ON THE LIBRARY AND ITS USE, THE FACULTY, AND STUDENT SELECTION AND SERVICES, (6) A SELECTED LIST OF SCIENTIFIC, TRADE, AND TECHNICAL SOCIETIES, (7) SUMMARY OF COSTS FOR THE CURRICULUM OPTIONS, AND (8) A BIBLIOGRAPHY. CURRICULUM OUTLINES AND COURSE DESCRIPTIONS ARE PROVIDED FOR THE FIELD AND FORAGE CROP PRODUCTION AND THE FRUIT AND VINE PRODUCTION OPTIONS. COURSE OUTLINES ARE INCLUDED FOR: (1) TECHNICAL SPECIALTY CROPS, (2) AUXILIARY AND SUPPORTING TECHNICAL COURSES, (3) MATHEMATICS AND SCIENCE COURSES, AND (4) GENERAL COURSES. A SELECTED LIST OF PROFESSIONAL AND TECHNICAL SOCIETIES AND ORGANIZATIONS CONCERNED WITH CROP AND FRUIT PRODUCTION IS APPENDED. (SB)

VT 011 001
BITTNER, RICHARD H.
FARM EQUIPMENT SERVICE AND SALES; PLACEMENT TRAINING GUIDE.

MICHIGAN STATE UNIV., EAST LANSING.
MICHIGAN STATE UNIVERSITY, AGRICULTURAL ENGINEERING DEPARTMENT, EAST LANSING, MICHIGAN 48823.
PUB DATE - 67 247P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *AGRICULTURAL MACHINERY OCCUPATIONS; *WORK EXPERIENCE PROGRAMS; ON THE JOB TRAINING; STUDENT EMPLOYMENT; JOB SKILLS; BUSINESS SKILLS; SALES OCCUPATIONS

ABSTRACT - PREPARED BY THE DIRECTOR OF A COLLEGE PLACEMENT PROGRAM, THIS GUIDE WILL HELP TEACHERS AND EMPLOYERS TRAIN VOCATIONAL AGRICULTURE STUDENTS FOR JOB PLACEMENT IN A FARM EQUIPMENT SERVICE AND SALES PROGRAM, ASSURING STUDENTS OF OBTAINING A WIDE VARIETY OF EXPERIENCES IN PREPARATION FOR WORK AS DEALERSHIP EMPLOYEES. TOPICS ARE: (1) INTRODUCTION TO PLACEMENT TRAINING, (2) GENERAL ORIENTATION, (3) THE SERVICE DEPARTMENT, (4) THE PARTS DEPARTMENT, AND (5) THE SALES DEPARTMENT. THE PLACEMENT TRAINING PROGRAM CONSISTS OF THE PROGRAM EXPLANATION, EMPLOYER SELECTION, PLACEMENT PROCESS, AND PROGRAM COMPLETION. WORK AND CONFERENCE REPORT SHEETS ARE INCLUDED WITH THE WORK ASSIGNMENTS. (GB)

VT 011 031
WEIGHTS AND MEASURES (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.65).
PUB DATE - ND 29P.

DESCRIPTORS - *TRANSPARENCIES; *AGRICULTURAL EDUCATION; *MEASUREMENT; *INSTRUCTIONAL AIDS

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE 26 TRANSPARENCY MASTERS MAY BE USED IN CLASSES STUDYING AGRICULTURAL APPLICATIONS OF WEIGHTS AND MEASURES. TITLES INCLUDE: (1) THE BODY'S MEASURING RODS, (2) ONE SQUARE YARD, (3) ONE ACRE, (4) ONE ACRE FOOT OF WATER, (5) ONE CORD, (6) WEIGHT EQUIVALENTS, (7) ONE FLUID OUNCE, (8) ONE MINIM, (9) ONE TABLESPOON, (10) ONE GALLON, (11) ONE BARREL, (12) ONE CUBIC FOOT OF WATER, (13) CIRCULAR MEASUREMENT 360 DEGREES, (14) HORSE MEASUREMENT, (15) ONE CHAIN, (16) CHAIN MEASUREMENT, (17) ONE ROD, AND (18) ONE MILE. SUGGESTIONS FOR PRESENTATION ARE ALSO PROVIDED. (AW)

VT 011 035
SOIL SCIENCE (OVERHEAD TRANSPARENCY MASTERS).

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.95).
PUB DATE - ND 36P.

DESCRIPTORS - *TRANSPARENCIES; *AGRICULTURAL EDUCATION; *SOIL SCIENCE; SECONDARY GRADES; JUNIOR COLLEGES; *INSTRUCTIONAL AIDS

ABSTRACT - DESIGNED TO AID IN TEACHING PRINCIPLES OF SOIL SCIENCE AT THE HIGH SCHOOL

OR JUNIOR COLLEGE LEVEL, THIS SET OF TRANSPARENCY MASTERS CONSISTS OF 17 PLATES AND 16 OVERLAYS, COVERING: (1) MECHANICAL ANALYSIS OF SOILS, (2) SOIL TEXTURAL CLASSIFICATION TRIANGLE, (3) TYPICAL MINERAL SOIL COMPOSITION BY VOLUME, (4) BULK DENSITY, (5) PARTICULE DENSITY, (6) SOIL PROFILE AND HORIZON DEVELOPMENT, (7) THE WATER CYCLE, (8) THE EFFECT OF SOIL PLOWPAN ON WATER PENETRATION RATES, (9) TENSIOMETER, (10) TYPES OF SOIL WATER, (11) FURROW PENETRATION, (12) SOIL REACTION AND PLANT NUTRIENT AVAILABILITY, (13) FERTILITY LABELING, (14) NITROGEN FERTILIZER PRODUCTION, (15) DILUTION FACTOR, AND (16) IONIC EXCHANGE IN ALKALINE SOILS. SUGGESTIONS FOR CLASS PRESENTATION ARE ALSO PROVIDED, KEYED TO A RECOMMENDED TEXT, "EXPERIMENTS IN SOIL SCIENCE," WHICH MAY BE OBTAINED FROM THE SOURCE OF AVAILABILITY CITED FOR THIS DOCUMENT. (AW)

VT 011 036
WATERSHED MANAGEMENT.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 (MANUAL, FILMSTRIP, AND TAPED NARRATION FOR $7.50).
PUB DATE - ND 17P.

DESCRIPTORS - *FILMSTRIPS; *SCRIPTS; *AGRICULTURAL EDUCATION; *WATER RESOURCES; NATURAL RESOURCES; ENVIRONMENTAL EDUCATION; *CONSERVATION EDUCATION; SOIL CONSERVATION

ABSTRACT - THIS 56-FRAME FILMSTRIP AND ACCOMPANYING SCRIPT IS FOR USE IN AGRICULTURAL EDUCATION CLASSES STUDYING CONSERVATION AND LAND AND WATER MANAGEMENT. THE NARRATIVE DISCUSSES THE IMPORTANCE OF WATER AND WATERSHED MANAGEMENT, SOURCES OF WATER, FUNCTIONS OF A PROPERLY MANAGED WATERSHED, NATURAL AND MAN-MADE HAZARDS TO GOOD WATERSHEDS, AND WAYS TO PROTECT OUR WATERSHEDS. (AW)

VT 011 043
TOOL IDENTIFICATION MANUAL.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO. VOCATIONAL EDUCATION PRODUCTIONS.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 ($1.50).
PUB DATE - FEB70 62P.

DESCRIPTORS - *INSTRUCTIONAL MATERIALS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *MECHANICAL EQUIPMENT; *HAND TOOLS; SECONDARY GRADES; VOCABULARY

ABSTRACT - DEVELOPED BY A COLLEGE AGRICULTURAL ENGINEERING DEPARTMENT, THIS MANUAL MAY BE USED AS A REFERENCE BY VOCATIONAL AGRICULTURE TEACHERS AND STUDENTS IN STUDYING NOMENCLATURE AND USES OF TOOLS AND MATERIALS ASSOCIATED WITH AGRICULTURAL MECHANICS. THIS MANUAL INCLUDES 376 TOOLS AND PIECES OF EQUIPMENT, ARRANGED ALPHABETICALLY BY ITEM NAME. THE MANUAL PROVIDES DEFINITIONS AND USES OF 376 TOOLS AND PIECES OF EQUIPMENT AS WELL AS VISUAL REPRODUCTIONS OF THE TOOLS, ARRANGED AND NUMBERED IN THE SAME ORDER AS THE DEFINITIONS. THIS MANUAL IS A REVISION OF AN EARLIER PUBLICATION AVAILABLE AS VT 009 301 (AIM WINTER 1969). (GB)

VT 011 082
WOODIN, RALPH J.; RIDENOUR, HARLAN E.
INSTALLING THE AGDEX FILING SYSTEM. SCRIPT FOR A SLIDE SERIES AND SLIDE SET.

OHIO STATE UNIV., COLUMBUS. CURRICULUM MATERIALS SERVICE.
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($4.50 FOR SLIDE SET AND SCRIPT).
PUB DATE - 69 13P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *RESOURCE MATERIALS; *SLIDES; TEACHER EDUCATION; *FILING; INSTRUCTIONAL MATERIALS; PUBLICATIONS
IDENTIFIERS - *AGDEX FILING SYSTEM

ABSTRACT - THIS SCRIPT AND SET OF 29 SLIDES WERE DEVELOPED BY THE AGRICULTURAL DIVISION OF THE CURRICULUM MATERIALS COMMITTEE, AMERICAN VOCATIONAL ASSOCIATION, FOR TEACHER EDUCATORS AND SUPERVISORS TO PREPARE TEACHERS AND OTHERS FOR USING THE AGDEX FILING SYSTEM. INFORMATION ON THE SLIDES CONCERNS THESE POINTS: (1) ADVANTAGES OF AGDEX, (2) INSTALLING AGDEX, (3) TYPES OF FILING MATERIALS AND STORAGE FACILITIES NEEDED, (4) CLASSIFYING AND CODING AGRICULTURAL PUBLICATIONS AND TEACHING MATERIALS, (5) PLACING MATERIALS IN RELATION TO EACH OTHER, AND (6) MAINTENANCE OF AGDEX FILES. REQUIRED SUPPLEMENTARY MATERIAL IS "AGDEX, A SYSTEM FOR FILING AGRICULTURAL PUBLICATIONS," (VT 010 028, AIM SPRING 1970) WHICH IS A FILING GUIDE AND INDEXING SYSTEM. (SB)

VT 011 131
CHERRY, KENNETH L.; WALKER, ROBERT W.
GROUNDS AND BUILDING MAINTENANCE: SUPERVISOR, TECHNICIAN, CUSTODIAN. COURSE OF STUDY IN AGRICULTURAL AND RELATED OCCUPATIONS.

HOLLIDAYSBURG AREA HIGH SCHOOL, PA. DEPT. OF AGRICULTURAL EDUCATION.
PENNSYLVANIA STATE DEPT. OF PUBLIC INSTRUCTION, HARRISBURG. AGRICULTURAL EDUCATION SECTION.
PUB DATE - SEP67 136P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *MAINTENANCE; TECHNICAL OCCUPATIONS; GRADE 11; GRADE 12; COURSE CONTENT; BIBLIOGRAPHIES; PILOT PROJECTS
IDENTIFIERS - *AGRICULTURAL RELATED OCCUPATIONS

ABSTRACT - THIS COURSE OF STUDY WAS DEVELOPED THROUGH A PILOT PROJECT CONDUCTED BY A HIGH SCHOOL AGRICULTURAL EDUCATION STAFF AND THE PENNSYLVANIA DEPARTMENT OF PUBLIC INSTRUCTION

AND IS INTENDED FOR USE IN INSTRUCTING 11TH AND 12TH GRADE VOCATIONAL AGRICULTURE STUDENTS IN THE OCCUPATIONS OF GROUNDS AND BUILDING MAINTENANCE. THE COURSE INCLUDES: (1) MAJOR UNITS AND PROBLEM AREAS, (2) SUGGESTED TEACHING CALENDAR, (3) MAJOR UNITS BREAKDOWN BY MONTHS, (4) SIX-WEEKS TEACHING CALENDARS, AND (5) COURSE OF STUDY WORKSHEETS. A BIBLIOGRAPHY IS APPENDED AS WELL AS ADMINISTRATIVE FORMS AND NUMEROUS OTHER TEACHING MATERIALS. (GB)

VT 011 154
BASIC CARPENTRY CONSTRUCTION VISUALS FOR AGRICULTURE.

IOWA VOCATIONAL AGRICULTURAL TEACHERS' ASSOCIATION.
AG-MECH-1
PUB DATE - 69 41P.

DESCRIPTORS - *AUDIOVISUAL AIDS; *VOCATIONAL AGRICULTURE; INSTRUCTIONAL MATERIALS; CARPENTERS; *CONSTRUCTION (PROCESS); SECONDARY GRADES

ABSTRACT - DEVELOPED BY A VOCATIONAL AGRICULTURE INSTRUCTOR AND AN ASSOCIATE PROFESSOR OF AGRICULTURAL EDUCATION, THIS SET OF OVERLAY MASTERS IS INTENDED FOR USE IN THE CARPENTRY CONSTRUCTION UNIT OF THE HIGH SCHOOL VOCATIONAL AGRICULTURE PROGRAM. THE 38 MASTERS COVER: (1) LUMBER, (2) BILL OF MATERIALS, (3) CONSTRUCTION JOINTS AND PROCEDURES, (4) CLEAR SPAN CONSTRUCTION, (5) ROOF TYPES, (6) USE OF THE FRAMING SQUARE, (7) RAFTERS, (8) GLUES, (9) PLYWOOD, (10) BUILDING HARDWARE, AND (11) ROOFING MATERIALS. A LIST OF SUBJECT MATTER SOURCES RECOMMENDED TO SUPPLEMENT THE OVERLAY MASTERS IS ALSO PROVIDED. (AW)

VT 011 155
SMALL GASOLINE ENGINES VISUALS FOR AGRICULTURE.

IOWA VOCATIONAL AGRICULTURAL TEACHER'S ASSOCIATION.
AG-MECH-2
PUB DATE - 69 58P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *TRANSPARENCIES; *AGRICULTURAL SKILLS; SECONDARY GRADES; ENGINES; AGRICULTURAL MACHINERY; BIBLIOGRAPHIC CITATIONS

ABSTRACT - PREPARED FOR USE IN A COURSE IN SMALL GASOLINE ENGINES IN THE AGRICULTURAL MECHANICS PROGRAM OF VOCATIONAL AGRICULTURE, THESE OVERLAY MASTERS WERE DEVELOPED BY A VOCATIONAL AGRICULTURE INSTRUCTOR AND STAFF MEMBERS AT IOWA STATE UNIVERSITY. PROBLEM AREAS ARE COMPRESSION, CARBURETION, IGNITION, AND PREVENTIVE MAINTENANCE. TO SUPPLEMENT THE INFORMATION PRESENTED THROUGH THE OVERLAY MASTERS, A LIST OF SUBJECT MATTER SOURCES IS INCLUDED. A RELATED DOCUMENT IS AVAILABLE AS VT 010 507 (ALSO IN THIS ISSUE). (GB)

VT 011 160
SMITH, F.V.; LEONARD, H.W.
A YEAR'S RECORD ON AN INDIANA FARM.

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. VOCATIONAL EDUCATION DIV.
BULLETIN NO. 168, REVISED 1966
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.25).
PUB DATE - 66 37P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *RECORDKEEPING; FARM ACCOUNTS; ECONOMICS; AGRICULTURE; SECONDARY GRADES; INSTRUCTIONAL MATERIALS; COURSE CONTENT

ABSTRACT - PREPARED BY INDIANA STATE STAFF, THIS GUIDE IS FOR STUDENT USE IN LEARNING TO KEEP FARM FINANCIAL RECORDS. DATA ARE GIVEN FROM 1966 RECORDS FOR A 182-ACRE INDIANA FARM INCLUDING: (1) INVENTORIES, JANUARY 1, 1966, (2) INVENTORIES, DECEMBER 31, 1966, (3) ALL ITEMS OF FARM INCOME AND EXPENSES DURING THE YEAR, (4) LAND USE, CROPS PRODUCED, AND DIVISION OF CROPS, (5) NUMBERS OF LIVESTOCK BORN, DIED, OR BUTCHERED, AND (6) ADDITIONAL INFORMATION NEEDED TO COMPLETE THE FINANCIAL SUMMARY FOR THE YEAR. THE STUDENT MUST ENTER THIS DATA CORRECTLY IN THE 1965 REVISED EDITION OF THE "INDIANA FARM ACCOUNT RECORD BOOK" (NOT INCLUDED WITH THE GUIDE). FOLLOWING THIS, THE STUDENT IS ASKED TO COMPLETE EXERCISES DEALING WITH SUMMARIZING THE YEAR'S FINANCIAL RECORD TO DETERMINE PROFIT AND LOSS. A RELATED DOCUMENT IS THE INSTRUCTOR'S GUIDE (VT 011 161, ALSO IN THIS ISSUE). (GB)

VT 011 161
SMITH, F.V.; LEONARD, H.W.
A GUIDE TO TEACHING FARM ACCOUNTING IN INDIANA SCHOOLS.

INDIANA STATE DEPT. OF PUBLIC INSTRUCTION, INDIANAPOLIS. VOCATIONAL EDUCATION DIV.
BULLETIN NO. 169 REVISED
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809 ($.60).
PUB DATE - 67 95P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *RECORDKEEPING; FARM ACCOUNTS; ECONOMICS; AGRICULTURE; INSTRUCTIONAL MATERIALS; SECONDARY GRADES; COURSE CONTENT

ABSTRACT - AS A GUIDE TO THE INSTRUCTOR OF A COURSE IN FARM ACCOUNTING, PORTIONS OF A COMPLETED RECORD BOOK HAVE BEEN REPRODUCED, USING DATA FROM A RELATED DOCUMENT AVAILABLE AS VT 011 160, ALSO IN THIS ISSUE. (GB)

VT 011 177
KITTS, HARRY W.; NABBEN, MARVIN
FARM ELECTRICITY; A DEMONSTRATION MANUAL FOR STUDENTS OF VOCATIONAL AGRICULTURE.

AGRI-AIDE COMPANY, 3521 46TH AVENUE SOUTH, MINNEAPOLIS, MINNESOTA 55406 ($4.50).
PUB DATE - 68 160P.

DESCRIPTORS - *AGRICULTURAL EDUCATION;

*TEACHING GUIDES; *ELECTRICITY; SECONDARY GRADES; POST SECONDARY EDUCATION; AGRICULTURAL ENGINEERING; COURSE OBJECTIVES

ABSTRACT - THIS MANUAL MAY BE USED TO FAMILIARIZE STUDENTS, YOUNG FARMERS, OR ADULT FARMERS WITH BASIC PRINCIPLES OF ELECTRICITY, ELECTRICAL TERMS, WIRING LAYOUT OF FARMSTEADS, SELECTION OF ELECTRICAL EQUIPMENT, AND APPLICATION OF VARIOUS ASPECTS OF ELECTRICITY. OBJECTIVES, RELATED INFORMATION, DEMONSTRATIONS, EXERCISES, DISCUSSION QUESTIONS, AND PROBLEMS ARE PRESENTED. APPENDED MATERIALS INCLUDE GRAPHICAL ELECTRICAL SYMBOLS, A LIST OF REPAIR PARTS FOR A DEMONSTRATION PANEL, MATERIALS FOR WIRING EXERCISES, REFERENCES, AND BLUEPRINTS OF A DEMONSTRATION PANEL. (GB)

VT 011 202
TRACTOR MAINTENANCE; PRINCIPLES AND PROCEDURES.

AMERICAN ASSOCIATION FOR VOCATIONAL INSTRUCTIONAL MATERIALS, ATHENS, GA.
AMERICAN ASSOCIATION FOR VOCATIONAL INSTRUCTIONAL MATERIALS, 120 AGRICULTURAL ENGINEERING CENTER, UNIVERSITY OF GEORGIA, ATHENS, GEORGIA 30601 ($4.10).
PUB DATE - 70 155P.

DESCRIPTORS - *TEXTBOOKS; *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *TRACTORS; *AGRICULTURAL OCCUPATIONS; SECONDARY GRADES; POST SECONDARY EDUCATION; ILLUSTRATIONS; EQUIPMENT MAINTENANCE; MECHANICAL SKILLS

ABSTRACT - INTENDED FOR TEACHERS AND STUDENTS IN HIGH SCHOOL AND ADULT CLASSES IN AGRICULTURAL MECHANICS, THIS STUDENT TEXT AND REFERENCE WAS DEVELOPED BY SUBJECT MATTER SPECIALISTS AND CHECKED BY AGRICULTURAL ENGINEERS, TEACHER TRAINERS, AND REPRESENTATIVES OF INDUSTRY. CONTENT INCLUDES A DESCRIPTION OF TRACTOR MAINTENANCE AND SERVICE NECESSARY ANNUALLY AND AFTER 50, 100, 250, AND 500 HOURS OF OPERATION. SERVICE JOBS INCLUDE: (1) BATTERY MAINTENANCE, (2) V-BELT TENSION ADJUSTMENT, (3) AIR CLEANER SERVICING, (4) PROCEDURES FOR CHANGING CRANKCASE OIL AND REPLACING OIL FILTERS, (5) TIRE MAINTENANCE, (6) VALVE CLEARANCE ADJUSTMENT, (7) SPARK PLUG MAINTENANCE, (8) CARBURETOR ADJUSTMENT, (9) BRAKE ADJUSTMENT, (10) CLUTCH ADJUSTMENT, (11) DISTRIBUTOR SERVICING, (12) IGNITION TIMING, (13) STARTER AND GENERATOR MAINTENANCE, (14) FUEL FILTER SERVICING, (15) FRONT WHEEL BEARINGS SERVICING, (16) COOLING SYSTEM MAINTENANCE, (17) DRIVE MECHANISM SERVICING, (18) GOVERNOR ADJUSTMENT, AND (19) PREPARATION FOR STORAGE. A SLIDE SET SHOWING ILLUSTRATIONS IS AVAILABLE FROM THE PUBLISHER. A REFERENCE LIST AND 213 DIAGRAMS AND ILLUSTRATIONS ARE INCLUDED. SLIDES OF THE ILLUSTRATIONS IN THE 1964 EDITION OF THIS BOOK MAY BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. (GB)

VT 011 213
AVERY, T. EUGENE
FORESTER'S GUIDE TO AERIAL PHOTO INTERPRETATION. AGRICULTURE HANDBOOK 308.

DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST SERVICE
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A1.76:308, $.75).
PUB DATE - OCT66 35P.

DESCRIPTORS - *RESOURCE MATERIALS; MANUALS; *AGRICULTURAL EDUCATION; *FORESTRY; *FORESTRY OCCUPATIONS; *PHOTOGRAPHY; PHOTOCOMPOSITION

ABSTRACT - WRITTEN BY THE HEAD OF THE DEPARTMENT OF FORESTRY OF THE UNIVERSITY OF ILLINOIS, THIS HANDBOOK IS INTENDED AS A PRACTICAL REFERENCE FOR THE FORESTER WITH ONLY A CASUAL KNOWLEDGE OF TECHNIQUES OF AERIAL PHOTO INTERPRETATION IN FOREST INVENTORY. THE MANUAL EMPHASIZES STEREOSCOPIC INTERPRETATION OF VERTICAL AERIAL PHOTOGRAPHY AND PROVIDES EXAMPLES OF THIS AND VARIOUS OTHER TYPES OF AERIAL PHOTOGRAPHS. CONTENTS COVER: (1) TYPES OF AERIAL PHOTOGRAPHS, (2) OBTAINING AERIAL PHOTOGRAPHY, (3) PREPARING PHOTOGRAPHS FOR STEREO-VIEWING, (4) PHOTO SCALE, BEARINGS, AND DISTANCES, (5) IDENTIFYING FOREST TYPES AND TREE SPECIES, (6) MAPPING FROM AERIAL PHOTOGRAPHS, (7) MEASURING AREAS, (8) TREE HEIGHT, CROWN DIAMETER, AND CROWN CLOSURE, (9) AERIAL CRUISING, AND (10) PHOTO STRATIFICATION FOR GROUND CRUISING. THE HANDBOOK IS ILLUSTRATED WITH NUMEROUS PHOTOGRAPHS, DIAGRAMS, TABLES, AND MAPS. A LIST OF REFERENCES CITED IS ALSO INCLUDED. (AW)

VT 011 244
DAWSON, JAMES I., AND OTHERS
BUSINESS LEADERSHIP IN AGRICULTURAL INDUSTRY. TEACHER EDUCATION SERIES; VOLUME 11, NUMBER 1S.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION.
DEPARTMENT OF AGRICULTURAL EDUCATION, PENNSYLVANIA STATE UNIVERSITY, 101 AGRICULTURAL EDUCATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($3.00).
PUB DATE - 70 181P.

DESCRIPTORS - *STUDY GUIDES; RESOURCE MATERIALS; *VOCATIONAL AGRICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS; *AGRICULTURAL SUPPLY OCCUPATIONS; *MANAGEMENT; MANAGEMENT EDUCATION

ABSTRACT - DEVELOPED BY TEACHER EDUCATORS IN AGRICULTURAL EDUCATION, THIS STUDENT TEXT AND REFERENCE IS FOR USE BY HIGH SCHOOL SENIORS STUDYING OFF-FARM AGRICULTURAL BUSINESS OPERATIONS AND MANAGEMENT. THE COURSE IS ORGANIZED INTO 11 INSTRUCTIONAL UNITS, EACH OF WHICH MAY BE TAUGHT SEPARATELY OR IN SEQUENCE WITH ONE OR MORE OF THE OTHER UNITS. UNIT TITLES ARE: (1) AGRI-BUSINESS, WHAT IT IS--WHAT IT DOES, (2) JOB AND CAREER OPPORTUNITIES IN AGRI-BUSINESS LEADERSHIP, (3) BUSINESS ENTERPRISE IN AGRICULTURE, (4) THE MAJOR RESOURCES OF AN AGRICULTURAL BUSINESS, (5) PRACTICUM FOR UNDERSTANDING AGRI-BUSINESS AS IT EXISTS IN THE COMMUNITY, (6) THE IMPORTANCE OF BUSINESS PLANNING, (7) UNDERSTANDING THE MANAGEMENT FUNCTION, (8)

MONEY MANAGEMENT AND THE NEED FOR PROFIT, (9) REVIEW OF KEY FACTORS FOR A SUCCESSFUL BUSINESS, (10) PEOPLE MAKE OR BREAK THE BUSINESS, AND (11) MY FUTURE IN AGRI-BUSINESS ON THE LEADERSHIP LEVEL. A BIBLIOGRAPHY, A SAMPLE OF A SURVEY OF A LOCAL BUSINESS, AND A GLOSSARY ARE ALSO PROVIDED. (AW)

VT 011 337
PROTECTING SHADE TREES DURING HOME CONSTRUCTION. HOME AND GARDEN BULLETIN NO. 104.

AGRICULTURAL RESEARCH SERVICE (DOA), WASHINGTON, D.C. CROPS RESEARCH DIV.
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A1.77:104, $.05).
PUB DATE - 65 8P.

DESCRIPTORS - *RESEARCH MATERIALS; *AGRICULTURAL EDUCATION; *TREES; *ORNAMENTAL HORTICULTURE; *OFF FARM AGRICULTURAL OCCUPATIONS

ABSTRACT - PREPARED FROM INFORMATION FURNISHED BY THE CROPS RESEARCH DIVISION, AGRICULTURAL RESEARCH SERVICE, THIS BULLETIN IS DESIGNED TO AID PROSPECTIVE HOMEBUILDERS IN PROTECTING SHADE TREES BEFORE AND DURING CONSTRUCTION. TOPICS ARE: (1) EVALUATION OF TREES ACCORDING TO LOCATION, SPECIES, AND CONDITION TO DECIDE WHETHER OR NOT RETENTION AND PROTECTION IS JUSTIFIED, AND (2) TYPES OF PROTECTION NECESSARY SUCH AS BARRICADING, GRADING, AND PROTECTING FROM EXCAVATIONS, DEPENDING ON THE NATURE OF THE CONSTRUCTION TO BE DONE. THE GUIDE IS ILLUSTRATED WITH NUMEROUS DIAGRAMS, DRAWINGS, AND PHOTOGRAPHS. (AW)

VT 011 373
WOOD DECAY IN HOUSES; HOW TO PREVENT AND CONTROL IT. HOME AND GARDEN BULLETIN NO. 73.

DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C. FOREST SERVICE.
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A1.77:73/3, $.20).
PUB DATE - SEP67 20P.

DESCRIPTORS - *RESOURCE MATERIALS; *CONSUMER EDUCATION; *BUILDING MATERIALS; BUILDINGS; *PRESERVATION; *MAINTENANCE; PREVENTION

ABSTRACT - THIS PUBLICATION OF THE DEPARTMENT OF AGRICULTURE FOREST SERVICE IS INTENDED TO AID HOMEOWNERS IN PREVENTING WOOD DECAY IN HOUSES BY THE PROPER USE OF SEASONED WOOD. CONTENTS PROVIDE INFORMATION ON CAUSES OF DAMAGE, GENERAL SAFEGUARDS, SAFEGUARDS FOR WOODWORK CLOSE TO THE GROUND, SAFEGUARDS FOR PARTS OF HOUSES EXPOSED TO RAIN, NEW TYPES OF BUILDING MATERIALS, AND PREVENTION OF ORDINARY DECAY AND "DRY ROT." THE PAMPHLET IS ILLUSTRATED WITH NUMEROUS PHOTOGRAPHS, DIAGRAMS, AND DRAWINGS. (AW)

VT 011 378
SELECTING AND GROWING HOUSE PLANTS. HOME AND GARDEN BULLETIN NO. 82.

AGRICULTURAL RESEARCH SERVICE (DOA), WASHINGTON, D.C. CROPS RESEARCH DIV.
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (A1.77:82, $.15).
PUB DATE - MAR63 32P.

DESCRIPTORS - *INSTRUCTIONAL MATERIALS; *AGRICULTURAL EDUCATION; *ORNAMENTAL HORTICULTURE; *PLANT GROWTH; PLANT SCIENCE; PLANT IDENTIFICATION; PLANTING; PLANT PROPAGATION
IDENTIFIERS - *HOUSE PLANTS

ABSTRACT - SUCCESS IN GROWING DECORATIVE PLANTS IN THE HOME PROBABLY DEPENDS AS MUCH ON GOOD JUDGMENT IN SELECTING THE PLANTS AS ON SKILL IN CARING FOR THEM. PREPARED BY AN INDIVIDUAL OF THE AGRICULTURAL RESEARCH SERVICE, THIS DOCUMENT IS INTENDED TO HELP WITH PROBLEMS ASSOCIATED WITH HOUSE PLANTS. TOPICS ARE: (1) FOLIAGE PLANTS, (2) SUCCULENTS, (3) FLOWERING PLANTS, (4) METHODS TO INCREASE HUMIDITY, (5) POTTING PROCEDURES, (6) WATER AND FERTILIZER, (7) SUMMER CARE, (8) WATER CULTURE, (9) PLANTS IN DIM LIGHT, (10) PROPAGATION, (11) PLANT HEALTH, (12) TERRARIUM CONSTRUCTION, AND (13) CARE OF FLORIST'S PLANTS. DESCRIPTIONS, CULTURE, AND SPECIAL REQUIREMENTS ARE GIVEN FOR VARIOUS PLANTS AS WELL AS NUMEROUS ILLUSTRATIONS. (GB)

VT 011 415
PLANS AND CONSTRUCTION PROCEDURES FOR SHOP PROJECTS.

MISSOURI UNIV., COLUMBIA. DEPT. OF AGRICULTURAL EDUCATION.
INSTRUCTIONAL MATERIALS LABORATORY, UNIVERSITY OF MISSOURI, 8 INDUSTRIAL EDUCATION BUILDING, COLUMBIA, MISSOURI 65201.
PUB DATE - 67 35P.

DESCRIPTORS - *RESOURCE MATERIALS; *AGRICULTURAL EDUCATION; *PROJECTS; *CONSTRUCTION (PROCESS)

ABSTRACT - PLANS, DETAILED CONSTRUCTION PROCEDURES, AND MATERIALS NEEDED ARE PROVIDED FOR THE FOLLOWING SHOP PROJECTS: (1) PIPEFITTING EXERCISE, (2) SAWHORSE, (3) WELDING POSITIONER, (4) SMALL SHELF BRACKET, (5) HEAVY SHELF BRACKET, (6) KNIFE RACK, (7) BENCH AND PICNIC TABLE, (8) LOADING CHUTE, (9) FEED BUNK, (10) SILAGE BUNK, (11) SHEEP FEEDER, (12) 12-FOOT LADDER, (13) PORTABLE EXTENSION OUTLET, (14) STEP LADDER, (15) WALL TOOL CABINET, (16) SHOP STAND, (17) TRACTOR HOIST, AND (18) MITER BOX. (AW)

VT 011 447
COURSON, R.L.
POINSETTIAS--CARE AND PROPAGATION.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, URBANA, ILLINOIS 61801 ($.10).
PUB DATE - 70 9P.

DESCRIPTORS - RESOURCE MATERIALS; *STUDY

GUIDES; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; UNITS OF STUDY (SUBJECT FIELDS); PLANT GROWTH; *PLANT PROPAGATION; *PLANT SCIENCE
IDENTIFIERS - *POINSETTIAS

ABSTRACT - PREPARED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION, THIS STUDENT REFERENCE IS FOR USE IN HIGH SCHOOL OR POST-HIGH SCHOOL CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS OF THE 1- TO 2-HOUR UNIT PROVIDE INFORMATION ON POINSETTIA PLANTS BOTH DURING AND AFTER THE CHRISTMAS SEASON, INCLUDING SUGGESTIONS ON SOIL TYPES, TEMPERATURE, WATERING, FERTILIZING, AND PEST CONTROL, AS WELL AS INSTRUCTIONS ON STARTING NEW PLANTS FROM CUTTINGS FROM THE ORIGINAL. THE BULLETIN IS ILLUSTRATED WITH DIAGRAMS AND PHOTOGRAPHS. (AW)

VT 011 556
HAMILTON, JOHN
VOCATIONAL AND TECHNICAL FORESTRY IN CALIFORNIA COMMUNITY COLLEGES.

LASSEN COLL., SUSANVILLE, CALIF.
CALIFORNIA COMMUNITY COLLEGES. OFFICE OF THE CHANCELLOR.
DIVISION OF VOCATIONAL EDUCATION, OFFICE OF THE CHANCELLOR, CALIFORNIA COMMUNITY COLLEGES, 825 FIFTEENTH STREET, SACRAMENTO, CALIFORNIA 95814.
PUB DATE - ND 38P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *COLLEGE CURRICULUM; *FORESTRY; *COURSE DESCRIPTIONS; *TECHNICAL EDUCATION; FORESTRY OCCUPATIONS; CURRICULUM PLANNING; CURRICULUM DEVELOPMENT; POST SECONDARY EDUCATION; COURSE OBJECTIVES; COMMUNITY COLLEGES; JOB ANALYSIS; EMPLOYMENT OPPORTUNITIES

ABSTRACT - TO HELP CALIFORNIA COMMUNITY COLLEGES PREPARE POST-HIGH SCHOOL STUDENTS FOR JOB ENTRY AND PROVIDE IMPROVED SKILLS FOR PROMOTION, THIS CURRICULUM FOR VOCATIONAL AND TECHNICAL FORESTRY EDUCATION WAS DEVELOPED BY LASSEN COLLEGE IN CONSULTATION WITH MEMBERS OF CALIFORNIA COMMUNITY COLLEGES. THE CONTENT INCLUDES JOB ANALYSIS, 42 COURSE DESCRIPTIONS, EMPLOYMENT OPPORTUNITIES, AS WELL AS GUIDELINES FOR PRESERVICE AND INSERVICE PROGRAMS AND FOR DEVELOPING TECHNICAL EDUCATION PROGRAMS. THE SUGGESTIONS FOR CURRICULUM PROGRAMS INCLUDE SEVERAL OPTIONS AT FOUR LEVELS: (1) INSERVICE TRAINING, (2) PRE-TECHNICAL PROGRAM, (3) VOCATIONAL CERTIFICATE (1 YEAR), AND (4) A.A. OR A.S. DEGREE AND TECHNICIAN CERTIFICATE (2 YEARS). RECOMMENDED PUBLICATIONS AND EMPLOYMENT ANNOUNCEMENTS ARE APPENDED. (GB)

VT 011 572
HINE, QUENTIN A., AND OTHERS
MANAGEMENT OF FOREST RESOURCES FOR MULTIPLE USE: TEACHER'S GUIDE FOR THE STUDENT RESOURCE UNIT, TEACHER EDUCATION SERIES, VOLUME 11, NUMBER 2T.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION.
PENNSYLVANIA FORESTRY ASSOCIATION, MECHANICSBURG
DEPARTMENT OF AGRICULTURAL EDUCATION, 101 AGRICULTURAL EDUCATION BUILDING, THE PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.25).
PUB DATE - 70 33P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *FORESTRY OCCUPATIONS; *UNITS OF STUDY (SUBJECT FIELDS); OCCUPATIONAL GUIDANCE; *CONSERVATION EDUCATION; NATURAL RESOURCES; EMPLOYMENT OPPORTUNITIES; GRADE 9; GRADE 10; RESOURCE MATERIALS

ABSTRACT - TEACHERS OF NINTH AND TENTH GRADE STUDENTS MAY USE THIS GUIDE IN PLANNING AND TEACHING ABOUT FOREST RESOURCES FOR OCCUPATIONAL AND GENERAL EDUCATIONAL PURPOSES. PREPARED BY A TEACHER OF AGRICULTURE AND STAFF MEMBERS OF THE PENNSYLVANIA STATE UNIVERSITY AGRICULTURAL EDUCATION DEPARTMENT, THE GUIDE IS INTENDED TO ENCOURAGE STUDENTS TO GET FURTHER EDUCATION IN FOREST RESOURCES, OR TO PREPARE STUDENTS FOR EMPLOYMENT IN FORESTRY ORIENTED OCCUPATIONS UPON GRADUATION FROM HIGH SCHOOL. SECTIONS ARE: (1) INTRODUCTION AND EMPLOYMENT OPPORTUNITIES, (2) FOREST TREE PRODUCTION, (3) FOREST REGENERATION, (4) CARE AND IMPROVEMENT OF FORESTS, (5) SPECIFIC MANAGEMENT PRACTICES FOR MARKETABLE PRODUCTS, (6) MANAGEMENT PRACTICES FOR CONSERVATION, WILDLIFE, AND RECREATION, AND (7) MANAGEMENT SERVICES AVAILABLE TO THE FOREST LANDOWNER. EACH PROBLEM AREA OUTLINES STUDENT OBJECTIVES, STUDY QUESTIONS, RESOURCE MATERIALS, AND SUGGESTED TEACHER PREPARATION AND TEACHING-LEARNING ACTIVITIES. A BIBLIOGRAPHY OF RESOURCE MATERIALS INCLUDES PUBLICATIONS, CHARTS, TRANSPARENCIES, FILMS, AND SLIDES. THE STUDENT RESOURCE UNIT IS AVAILABLE AS VT 011 573 (ALSO IN THIS ISSUE). (GB)

VT 011 573
HINE, QUENTIN A.; HOOVER, NORMAN K.
MANAGEMENT OF FOREST RESOURCES FOR MULTIPLE USE; STUDENT RESOURCE UNIT. TEACHER EDUCATION SERIES, VOLUME 11, NUMBER 2S.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION.
PENNSYLVANIA FORESTRY ASSOCIATION, MECHANICSBURG
THE PENNSYLVANIA STATE UNIVERSITY, 101 AGRICULTURAL EDUCATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.75).
PUB DATE - 70 127P.

DESCRIPTORS - *STUDY GUIDES; *VOCATIONAL AGRICULTURE; *FORESTRY OCCUPATIONS; *CONSERVATION EDUCATION; OCCUPATIONAL GUIDANCE; NATURAL RESOURCES; EMPLOYMENT OPPORTUNITIES; GRADE 9; GRADE 10

ABSTRACT - THIS UNIT WAS PREPARED BY A TEACHER OF AGRICULTURE AND STAFF MEMBERS OF THE DEPARTMENT OF AGRICULTURAL EDUCATION, PENNSYLVANIA STATE UNIVERSITY TO PROVIDE A STUDY TEXT FOR NINTH AND TENTH GRADE STUDENTS. JOB DESCRIPTIONS FOR FORESTRY-RELATED OCCUPATIONS AND PHASES OF FORESTRY MANAGEMENT ARE PROVIDED. PROBLEM AREAS INCLUDE: (1) INTRODUCTION AND EMPLOYMENT

OPPORTUNITIES, (2) TREE GROWTH, IDENTIFICATION, AND ADAPTATION, (3) FOREST REGENERATION, (4) CARE AND IMPROVEMENT OF WOODLANDS, (5) SPECIFIC MANAGEMENT PRACTICES FOR MARKETABLE PRODUCTS, (6) MANAGEMENT PRACTICES FOR CONSERVATION, WILDLIFE, AND RECREATION, AND (7) MANAGEMENT SERVICES AVAILABLE TO THE FOREST LANDOWNER. ALTHOUGH STATISTICAL DATA IS FOR PENNSYLVANIA, INFORMATION FOR OTHER STATES CAN BE SUBSTITUTED. THE TEACHER'S GUIDE FOR THIS UNIT IS AVAILABLE AS VT 011 572 (ALSO IN THIS ISSUE). (GB)

VT 011 597
COURSON, R.L.
PRODUCING POINSETTIAS COMMERCIALLY.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VAS 5013
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, URBANA, ILLINOIS 61801 ($.15).
PUB DATE - 70 13P.

DESCRIPTORS - *STUDY GUIDES; *AGRICULTURAL EDUCATION; *FLORICULTURE; PLANT PROPAGATION; TRANSPLANTING; PLANT SCIENCE; PLANTING; PLANT GROWTH; NURSERIES (HORTICULTURE); *UNITS OF STUDY (SUBJECT FIELDS)

ABSTRACT - INTENDED FOR STUDENTS AND ADULTS IN PRODUCTION AGRICULTURE, THIS SUBJECT-MATTER UNIT WAS PREPARED BY STAFF OF VOCATIONAL AGRICULTURE SERVICE AT THE UNIVERSITY OF ILLINOIS FOR USE AS A STUDENT TEXT AND REFERENCE. TOPICS ARE: (1) POINSETTIA VARIETIES, (2) GROWING STOCK PLANTS FOR CUTTINGS, (3) PROPAGATING NEW PLANTS FROM STOCK PLANTS, (4) TRANSPLANTING ROOTED CUTTINGS, (5) TIMING PLANTS FOR CHRISTMAS FLOWERING, (6) COMMON PROBLEMS IN GROWING POINSETTIAS, AND (7) PREPARING THE PLANTS FOR SALE. PICTURES AND DIAGRAMS ARE USED FOR ILLUSTRATIVE PURPOSES. (GB)

VT 011 609
COURSON, R.L.
PLANNING AND OPERATING A GARDEN CENTER.

ILLINOIS UNIV., URBANA. VOCATIONAL AGRICULTURE SERVICE.
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, URBANA, ILLINOIS 61801 ($.30).
PUB DATE - 70 25P.

DESCRIPTORS - *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *UNITS OF STUDY (SUBJECT FIELDS); *ORNAMENTAL HORTICULTURE; RESOURCE MATERIALS; SECONDARY GRADES; ADULT VOCATIONAL EDUCATION; FLORICULTURE; GREENHOUSES; NURSERIES (HORTICULTURE); *AGRICULTURAL PRODUCTION

ABSTRACT - PREPARED BY AN ASSISTANT PROFESSOR OF AGRICULTURAL EDUCATION, THIS STUDENT TEXT AND REFERENCE IS FOR USE IN HIGH SCHOOL OR ADULT CLASSES STUDYING PRODUCTION AGRICULTURE. CONTENTS COVER FOUR SUBJECT AREAS: (1) GENERAL INFORMATION ON TYPES OF GARDEN CENTERS AND THEIR SERVICES, (2) SELECTION OF LOCATION AND FACILITIES, (3) MARKETING, AND (4) RECORDKEEPING. THE MATERIAL MAY BE COVERED IN FROM 2 TO 8 CLOCK HOURS. (AW)

VT 011 768
PROGRAM JUSTIFICATION FOR A VOCATIONAL-TECHNICAL COURSE IN IRRIGATION TECHNOLOGY.

GARDEN CITY COMMUNITY JUNIOR COLL., KANS.
PUB DATE - ND 12P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *COMMUNITY COLLEGES; *CURRICULUM GUIDES; *TECHNICAL EDUCATION; CURRICULUM DESIGN; AGRICULTURAL ENGINEERING; *AGRICULTURAL OCCUPATIONS; COURSE CONTENT; COURSE DESCRIPTIONS; COURSE EVALUATION

ABSTRACT - TO MEET THE NEEDS OF STUDENTS AND THE BUSINESSES IN WHICH THEY WILL BE EMPLOYED, THIS CURRICULUM OUTLINE IS DESIGNED FOR THE GARDEN CITY, KANSAS AREA AND OTHER SIMILAR AREAS REQUIRING POST-HIGH SCHOOL PROGRAMS OF IRRIGATION TECHNOLOGY. THE OUTLINE INCLUDES THE UNITS OF INSTRUCTION AND NUMBER OF CLOCK HOURS TO BE COVERED OVER A 2-YEAR PERIOD. CONTENTS ARE: (1) BRIEF COURSE DESCRIPTION, (2) EVALUATION OF COURSE, (3) OUTLINE OF EQUIPMENT REQUIRED, (4) STATEMENT OF LAB OR MARKET SURVEY, AND (5) SUMMARY OF EMPLOYEE SURVEY TABLE. (GB)

VT 011 829
BASIC CURRICULUM GUIDE FOR PRODUCTION AGRICULTURE IN TEXAS.

TEXAS EDUCATION AGENCY, AUSTIN. VOCATIONAL INSTRUCTIONAL SERVICES.
AGRICULTURAL EDUCATION DEPT., TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($.50).
PUB DATE - NOV69 20P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *SECONDARY GRADES; *AGRICULTURAL PRODUCTION; *HIGH SCHOOL CURRICULUM; ANIMAL SCIENCE; PLANT SCIENCE; SOIL SCIENCE; AGRICULTURAL ENGINEERING; FARM MANAGEMENT; SUPERVISED FARM PRACTICE; LEADERSHIP

ABSTRACT - INTENDED FOR LOCAL ADMINISTRATORS AND VOCATIONAL AGRICULTURE TEACHERS IN PLANNING AN INSTRUCTIONAL PROGRAM OF PRODUCTION AGRICULTURE, THIS CURRICULUM GUIDE OUTLINES EIGHT AREAS OF INSTRUCTION COVERING 4 YEARS OF VOCATIONAL AGRICULTURE. AREAS ARE: (1) INTRODUCTION TO AGRICULTURE, (2) ANIMAL SCIENCE, (3) SOIL SCIENCE, (4) PLANT SCIENCE, (5) AGRICULTURAL MECHANICS, (6) AGRICULTURAL MANAGEMENT, (7) SUPERVISED EXPERIENCE PROGRAMS AND RECORDS, AND (8) LEADERSHIP. THIS GUIDE WAS PREPARED BY A STATE ADVISORY COMMITTEE APPOINTED BY THE TEXAS EDUCATION AGENCY. A RELATED DOCUMENT IS AVAILABLE AS VT 010 459, INSTRUCTIONAL MATERIALS FOR VOCATIONAL AGRICULTURE I (ALSO IN THIS ISSUE). (GB)

VT 011 839
ESHELBY, DON
BIBLIOGRAPHY OF AGRICULTURAL EDUCATION DOCUMENTS AS LISTED IN ABSTRACTS OF INSTRUCTIONAL MATERIALS IN VOCATIONAL AND

TECHNICAL EDUCATION (AIM), FALL, 1967 TO FALL, 1969.

NORTH DAKOTA UNIV., GRAND FORKS. VOCATIONAL EDUCATION RESEARCH INFORMATION CENTER.
PUB DATE - JUL70 64P.

DESCRIPTORS - *BIBLIOGRAPHIES; *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS; *RESOURCE MATERIALS; *EDUCATIONAL RESEARCH; CURRICULUM PLANNING; PROGRAM PLANNING; PROGRAM DEVELOPMENT

ABSTRACT - THIS BIBLIOGRAPHY PRESENTS APPROXIMATELY 530 CITATIONS OF INSTRUCTIONAL MATERIALS PERTAINING TO AREAS OF AGRICULTURAL EDUCATION WHICH WERE DRAWN FROM "ABSTRACTS OF INSTRUCTIONAL MATERIALS" (AIM), FALL 1967 TO FALL 1969. AIM IS THE QUARTERLY PUBLICATION OF THE OHIO STATE UNIVERSITY WHICH ANNOUNCES THE AVAILABILITY OF INSTRUCTIONAL MATERIALS ACQUIRED AND PROCESSED BY THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC) CLEARINGHOUSE ON VOCATIONAL AND TECHNICAL EDUCATION. INDIVIDUAL ENTRIES IN THE BIBLIOGRAPHIES INCLUDE TITLE, AUTHOR, DATE, NUMBER OF PAGES, AVAILABILITY INFORMATION, AND THE ISSUE OF AIM IN WHICH A BRIEF ABSTRACT APPEARS. ORDERING INSTRUCTIONS ARE INCLUDED FOR THE LISTED DOCUMENTS. (GB)

VT 011 881
COMBINES AND COMBINING.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO VOCATIONAL AGRICULTURE, INSTRUCTIONAL MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.75).
PUB DATE - 70 112P.

DESCRIPTORS - *HARVESTING; *AGRICULTURAL EDUCATION; *TEXTBOOKS; *AGRICULTURAL MACHINERY; INSTRUCTIONAL AIDS; SLIDES; AGRICULTURAL ENGINEERING; ILLUSTRATIONS; DIAGRAMS; CHARTS

ABSTRACT - DEVELOPED BY THE OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIAL SERVICE TO ASSIST VOCATIONAL AGRICULTURE STUDENTS IN GAINING KNOWLEDGE ABOUT COMBINES, THIS MANUAL SUGGESTS TEACHING PROCEDURES AND STUDENT EXPERIENCES FOR THE CLASSROOM, THE AGRICULTURAL MECHANICS SHOP, AND FIELD TRIPS TO FARMS AND IMPLEMENT DEALERS. TOPICS ARE: (1) THE VALUE OF DOING A GOOD JOB OF COMBINING, (2) THE BASIC DESIGN OF THE COMBINE, (3) OPERATION OF THE COMBINE, AND (4) ECONOMICS OF OWNING A COMBINE. NUMEROUS DIAGRAMS AND ILLUSTRATIONS ARE PRESENTED, AND, IN ADDITION, A SET OF 39 2X2 COLOR SLIDES ILLUSTRATING THE OPERATION AND DESIGN OF THE COMBINE AND A SAMPLE 50-QUESTION EXAMINATION AND KEY MAY BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED FOR THIS DOCUMENT. THIS DOCUMENT IS A REVISION OF VT 005 461 WHICH APPEARED IN AIM FALL 1968. (GB)

VT 011 883
WEED CONTROL TRANSPARENCIES.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE.
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($6.75).
PUB DATE - 70 47P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSTRUCTIONAL AIDS; *TRANSPARENCIES; *WEEDS; PLANT SCIENCE
IDENTIFIERS - *WEED CONTROL

ABSTRACT - CONTAINING 46 WEED CONTROL TRANSPARENCIES, TRANSPARENCY MASTERS, AND AN EXPLANATORY MATERIAL FOR EACH TRANSPARENCY, THIS INSTRUCTIONAL AID WAS DEVELOPED BY THE OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE FOR USE IN WEED CONTROL INSTRUCTION. (GB)

VT 011 885
LEWIS, WILEY B.
INDIVIDUAL STUDY GUIDE FOR DRYING CORN ON THE FARM.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
AGDEX 111/736
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.75).
PUB DATE - 70 144P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *STUDY GUIDES; *CORN (FIELD CROP); *PRESERVATION; AGRICULTURAL PRODUCTION; BIBLIOGRAPHIC CITATIONS; COURSE OBJECTIVES; ILLUSTRATIONS

ABSTRACT - INTENDED TO ASSIST AGRICULTURE STUDENTS IN DETERMINING THE NEED FOR DRYING CORN ON THE FARM AND TO UNDERSTAND AND APPLY THE PRINCIPLES OF CORN DRYING UNDER PRACTICAL SITUATIONS, THIS STUDY GUIDE WAS PREPARED BY AN INDIVIDUAL IN THE OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE. TOPICS ARE: (1) IMPORTANCE OF DRYING CORN, (2) MOISTURE CONTENT OF CORN, (3) PRINCIPLES OF DRYING CORN, (4) DRYING EAR CORN, (5) DRYING SHELLED CORN, (6) ITEMS ASSOCIATED WITH A DRYING SYSTEM, (7) AERATION, (8) DRYERATION, AND (9) DRYING CORN IN A MATERIALS HANDLING SYSTEM. INCLUDED IN EACH UNIT ARE ACTIVITY SHEETS, INFORMATION SHEETS, ANSWER SHEETS, REFERENCES, AND SUGGESTIONS FOR USING THE STUDY GUIDE. (GB)

VT 011 886
POULTRY JUDGING.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
AGDEX 450/46
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY,

2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.40).
PUB DATE - 70 23P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *SECONDARY GRADES; *STUDY GUIDES; *AGRICULTURAL PRODUCTION; ANIMAL SCIENCE
IDENTIFIERS - POULTRY; *POULTRY JUDGING

ABSTRACT - INTENDED FOR VOCATIONAL AGRICULTURE STUDENTS AND TEACHERS IN PREPARING FOR POULTRY JUDGING CONTESTS, THIS INDIVIDUALLY AUTHORED MANUAL DESCRIBES THE NATURE OF THE CONTEST AS WELL AS THE KEY POINTS TO LOOK FOR IN JUDGING BIRDS AND EGGS. IN ADDITION TO THE DISCUSSION OF VARIOUS JUDGING CATEGORIES, A SUPPLEMENTAL REFERENCE LIST IS PROVIDED. (GB)

VT 011 887
INDIVIDUAL STUDY GUIDE ON ELECTRICAL SYSTEMS FOR SPARK-IGNITION ENGINES.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
AGDEX-763
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($2.50).
PUB DATE - 70 212P.

DESCRIPTORS - *STUDY GUIDES; *ELECTRICAL SYSTEMS; *AGRICULTURAL MACHINERY; AGRICULTURAL EDUCATION; POWER MECHANICS; INDIVIDUAL INSTRUCTION; TEACHING METHODS; *AGRICULTURAL MACHINERY OCCUPATIONS

ABSTRACT - THIS INDIVIDUAL STUDY GUIDE, DESIGNED TO HELP THE STUDENT IN ADVANCED FARM POWER COURSES SOLVE THE PROBLEMS THAT HE MAY ENCOUNTER WHEN WORKING WITH GASOLINE ENGINES, COULD ALSO BE USED AS A BASIS FOR GROUP STUDY AND PRACTICAL APPLICATION. THE TEACHER PLAYS AN IMPORTANT PART IN DIRECTING THE STUDY AND PROGRAM OF THE STUDENT USING THIS GUIDE. IT CONTAINS INFORMATION ON THE PRINCIPLES, OPERATION, AND MAINTENANCE OF THE ELECTRICAL SYSTEMS OF ALL TYPES OF AGRICULTURAL EQUIPMENT. THE ACTIVITY SHEETS TELL THE STUDENT WHAT TO READ, WHAT QUESTIONS TO ANSWER, AND WHAT PROJECT SHEETS TO COMPLETE WHILE THE INFORMATION SHEETS CONTAIN THE BASIC INFORMATION THAT THE STUDENT SHOULD KNOW. ANSWER SHEETS, PROJECT SHEETS, AND A BIBLIOGRAPHY ARE GIVEN. THE DOCUMENT IS PROFUSELY ILLUSTRATED WITH LINE DRAWINGS AND PHOTOGRAPHS. (GB)

VT 011 889
LEWIS, WILEY B.
CORN PICKERS AND PICKING CORN.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE.
AGDEX 111/745
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.85).
PUB DATE - 70 141P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEXTBOOKS; *AGRICULTURAL MACHINERY; *CORN (FIELD CROP); HARVESTING; AGRICULTURAL SAFETY; EDUCATIONAL OBJECTIVES; ILLUSTRATIONS; DIAGRAMS
IDENTIFIERS - *CORN PICKER

ABSTRACT - TO ASSIST VOCATIONAL AGRICULTURE STUDENTS IN GAINING KNOWLEDGE ABOUT CORN PICKERS AND PICKING CORN, THIS MANUAL WAS DEVELOPED BY THE OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE. THE MANUAL INCLUDES SUGGESTED TEACHING PROCEDURES, ILLUSTRATIONS, DIAGRAMS, AND STUDENT EXPERIENCES WHICH MAY BE CONDUCTED IN THE CLASSROOM OR AGRICULTURAL MECHANICS SHOP, AND ON FIELD TRIPS TO FARMS AND IMPLEMENT DEALERS. TOPICS ARE: (1) THE VALUE OF DOING A GOOD JOB OF7PICKING CORN, (2) THE BASIC DESIGN OF THE CORN PICKER, (3) OPERATION OF THE CORN PICKER, (4) ECONOMICS OF CORN PICKER OWNERSHIP, AND (5) SAFETY TIPS. APPENDED IS AN EXPLANATION OF SPEED ADJUSTMENTS ON THE CORN PICKER. (GB)

VT 011 921
LAMBERT, ROGER H., ED.;
MEADERS, O. DONALD, ED.
GUIDELINES: INDIVIDUALIZING INSTRUCTION IN AGRICULTURE.

MICHIGAN STATE UNIV., EAST LANSING. DEPT. OF SECONDARY EDUCATION.
MICHIGAN STATE DEPT. OF EDUCATION, LANSING. DIV. OF VOCATIONAL EDUCATION
PUB DATE - JUN70 49P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INDIVIDUALIZED INSTRUCTION; *AGRICULTURAL OCCUPATIONS; *GUIDELINES; *INDIVIDUAL INSTRUCTION; TEACHING TECHNIQUES; SECONDARY GRADES; BIBLIOGRAPHIC CITATIONS

ABSTRACT - INTENDED TO SERVE AS A GUIDE FOR PLANNING INSTRUCTION WHICH WILL MEET THE NEEDS OF VARIOUS INDIVIDUALS ENROLLED IN THE SAME CLASS OR PROGRAM, THESE GUIDELINES FOR INDIVIDUALIZING INSTRUCTION WERE DEVELOPED BY THE AGRICULTURAL EDUCATION STAFF AT MICHIGAN STATE UNIVERSITY USING TEACHERS OF AGRICULTURE TO TEST VARIOUS APPROACHES TO INDIVIDUALIZING INSTRUCTION. THE MAJOR PARTS ARE: (1) INDIVIDUALIZED INSTRUCTION DESCRIBED, (2) DEVELOPING INDIVIDUALIZED INSTRUCTION, AND (3) THE GUIDELINES IN PERSPECTIVE--AN OVERVIEW AND SYNTHESIS. APPENDED ARE A SELECTED BIBLIOGRAPHY AND AN EXAMPLE OF HOW UNITS ARE ORGANIZED AND MIGHT BE USED. (GB)

VT 011 924
GADDA, H.W.
INDIVIDUALIZED INSTRUCTIONAL PROBLEMS FOR TEACHING FFA WORK--14 PROBLEM AREAS.

SOUTH DAKOTA STATE UNIV., BROOKINGS. DEPT. OF AGRICULTURAL EDUCATION.
DEPARTMENT OF AGRICULTURAL EDUCATION, SOUTH DAKOTA STATE UNIVERSITY, BROOKINGS, SOUTH DAKOTA 57006 (SINGLE COPIES WITHOUT CHARGE).
PUB DATE - OCT70 52P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *INDIVIDUALIZED INSTRUCTION; *PROBLEMS; INDIVIDUAL INSTRUCTION; CLASSROOM TECHNIQUES; TEACHING TECHNIQUES; BIBLIOGRAPHIC CITATIONS; *STUDENT ORGANIZATIONS
IDENTIFIERS - *FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - INTENDED TO HELP VOCATIONAL AGRICULTURE INSTRUCTORS IN INDIVIDUALIZING CLASSROOM TEACHING IN REGARD TO THE FFA, THIS GUIDE WAS DEVELOPED BY STAFF OF THE AGRICULTURAL EDUCATION DEPARTMENT AT SOUTH DAKOTA UNIVERSITY. CONTENTS INCLUDE A COMPILATION OF OBJECTIVES, INTRODUCTIONS, PROCEDURAL LEARNING ACTIVITIES, REFERENCES, AND TESTS ON 14 PROBLEM AREAS ON FFA WHICH ARE CONTAINED IN THE "ADVISOR'S TEACHING GUIDE ON FFA." (GB)

VT 011 944
RESOURCE UNIT ON LIVESTOCK PRODUCTION MANAGEMENT FOR CORE CURRICULUM. RESOURCE UNIT NUMBER FOUR.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 27P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *ANIMAL SCIENCE; AGRICULTURAL PRODUCTION; *LIVESTOCK; *MANAGEMENT; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON LIVESTOCK PRODUCTION MANAGEMENT IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALL IN THIS ISSUE). (GB)

VT 011 945
RESOURCE UNIT ON LIVESTOCK FEEDING FOR CORE CURRICULUM. RESOURCE UNIT NUMBER THREE.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 30P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *ANIMAL SCIENCE; *LIVESTOCK; *NUTRITION; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON LIVESTOCK FEEDING IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 946
RESOURCE UNIT ON LIVESTOCK HEALTH FOR CORE CURRICULUM. RESOURCE UNIT NUMBER TWO.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION.
PUB DATE - JUL70 22P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *ANIMAL SCIENCE; *LIVESTOCK; *HEALTH; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON LIVESTOCK HEALTH IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 947
RESOURCE UNIT ON LIVESTOCK SELECTION FOR CORE CURRICULUM. RESOURCE UNIT NUMBER ONE.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 41P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *LIVESTOCK; *SELECTION; *ANIMAL SCIENCE; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON LIVESTOCK SELECTION IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THE SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 948
RESOURCE UNIT ON ELECTRIC POWER FOR CORE CURRICULUM. RESOURCE UNIT NUMBER THIRTEEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 33P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *ELECTRICITY; *AGRICULTURE; *AUTOMATION; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT 0011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE).N ELECTRICITY AND ELECTRONIC POWER IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT (GB)

VT 011 949
RESOURCE UNIT ON POWER AND MACHINERY FOR CORE CURRICULUM. RESOURCE UNIT NUMBER TWELVE.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 44P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *AGRICULTURAL MACHINERY; *AUTOMATION; *POWER MECHANICS; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON POWER AND MACHINERY IN AGRICULTURAL MECHANIZATION IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 950
RESOURCE UNIT ON FARM-FIRM RECORDS FOR CORE CURRICULUM. RESOURCE UNIT NUMBER FOURTEEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 53P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *BUSINESS; *FARM MANAGEMENT; *RECORDKEEPING; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON FARM RECORDS IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 951
RESOURCE UNIT ON FUTURE FARMERS OF AMERICA ORGANIZATION FOR CORE CURRICULUM. RESOURCE UNIT NUMBER FIFTEEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 21P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *LEADERSHIP; *ORGANIZATION; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS
IDENTIFIERS - *FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON THE FUTURE FARMERS OF AMERICA ORGANIZATION IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 952
RESOURCE UNIT ON PERSONAL GROWTH AND DEVELOPMENT THROUGH THE FFA FOR CORE CURRICULUM. RESOURCE UNIT NUMBER SIXTEEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 38P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; LEADERSHIP; *DEVELOPMENT; *PERSONAL GROWTH; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS
IDENTIFIERS - *FUTURE FARMERS OF AMERICA; FFA

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON PERSONAL GROWTH AND DEVELOPMENT THROUGH THE FFA IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 953
RESOURCE UNIT ON SUPERVISED OCCUPATION EXPERIENCE PROGRAMS FOR CORE CURRICULUM. RESOURCE UNIT NUMBER SEVENTEEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION.
PUB DATE - JUL70 41P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *WORK EXPERIENCE PROGRAMS; *SUPERVISED FARM PRACTICE; CORE CURRICULUM; AGRICULTURAL OCCUPATIONS; COURSE OBJECTIVES; *COOPERATIVE EDUCATION; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - N SUPERVISED OCCUPATION EXPERIENCE PROGRAMS IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 954
RESOURCE UNIT ON CAREER OPPORTUNITIES IN AGRICULTURE FOR CORE CURRICULUM. RESOURCE UNIT NUMBER EIGHTEEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 16P.

DESCRIPTORS - *RESOURCE UNITS; *VOCATIONAL AGRICULTURE; *AGRICULTURE; *CAREER OPPORTUNITIES; *GUIDANCE; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON CAREER OPPORTUNITIES IN AGRICULTURE IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 955
RESOURCE UNIT ON WEEDS FOR CORE CURRICULUM. RESOURCE UNIT NUMBER EIGHT.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 22P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *WEEDS; *PLANT SCIENCE; *BOTANY; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON WEEDS IN PLANT SCIENCE IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCES IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 956
RESOURCE UNIT ON INSECTS FOR CORE CURRICULUM. RESOURCE UNIT NUMBER SEVEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 20P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *ENTOMOLOGY; *PLANT SCIENCE; *INSECTICIDES; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON INSECTS IN THE PLANT SCIENCE AREA IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 971
RESOURCE UNIT ON SOILS FOR CORE CURRICULUM. RESOURCE UNIT NUMBER TEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 26P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *SOIL SCIENCE; *LAND USE; *CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON SOILS AND LAND CAPABILITIES IS ONE IN A SERIES OF DOCUMENTS FOR 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GBA CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011)

VT 011 972
RESOURCE UNIT ON PLANT DISEASE FOR CORE CURRICULUM. RESOURCE UNIT NUMBER SIX.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 18P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *PLANT SCIENCE; *DISEASES; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS; *PLANT PATHOLOGY

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESEARCH UNIT ON PLANT DISEASE IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 973
RESOURCE UNIT ON PLANT GROWTH AND DEVELOPMENT FOR CORE CURRICULUM. RESOURCE UNIT NUMBER FIVE.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 39P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *PLANT SCIENCE; *PLANT GROWTH; *DEVELOPMENT; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON PLANT GROWTH AND DEVELOPMENT IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 974
RESOURCE UNIT ON PLANT PRODUCTION MANAGEMENT FOR CORE CURRICULUM. RESOURCE UNIT NUMBER NINE.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION
PUB DATE - JUL70 36P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *PLANT SCIENCE; *AGRICULTURAL PRODUCTION; *MANAGEMENT; CORE CURRICULUM; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; SECONDARY GRADES; INSTRUCTIONAL AIDS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS, THIS RESOURCE UNIT ON PLANT PRODUCTION MANAGEMENT IS ONE IN A SERIES OF DOCUMENTS FOR A CORE CURRICULUM

DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE OF PHOENIX, ARIZONA AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. INCLUDED ARE CONCEPTS TO BE TAUGHT, UNIT OBJECTIVES, SUGGESTED REFERENCES, TEACHING AIDS LIST, AND SUGGESTED STUDENT ACTIVITIES. THE MATERIAL IS PRESENTED IN THE FORM OF QUESTIONS AND PROBLEMS WITH THE ANSWERS AND MAIN POINTS TO BE CONSIDERED. OTHER RESOURCE UNITS IN THIS SERIES ARE AVAILABLE AS VT 011 944-VT 011 956 AND VT 011 971-VT 011 974 (ALSO IN THIS ISSUE). (GB)

VT 011 981
VOCATIONAL AGRICULTURE I; A CURRICULUM GUIDE, 9TH GRADE.

OKLAHOMA STATE BOARD OF VOCATIONAL AND TECHNICAL EDUCATION, STILLWATER. DIV. OF VOCATIONAL AGRICULTURE EDUCATION.
PUB DATE - 70 352P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; GRADE 9; COURSE CONTENT; CAREER PLANNING; LEADERSHIP; ANIMAL SCIENCE; PLANT SCIENCE; SOIL SCIENCE; *SUPERVISED FARM PRACTICE; AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY

ABSTRACT - TO PROVIDE A BASIC CORE OF VOCATIONAL AGRICULTURE INSTRUCTION IN OKLAHOMA AND TO HELP TEACHERS IMPROVE INSTRUCTION IN VOCATIONAL AGRICULTURE I, THIS GUIDE WAS DEVELOPED THROUGH THE OKLAHOMA STATE BOARD OF VOCATIONAL AND TECHNICAL EDUCATION BY VOCATIONAL AGRICULTURE TEACHERS, THE COLLEGE OF AGRICULTURAL EDUCATION, AND THE STATE DEPARTMENT OF AGRICULTURE. SECTIONS ARE: (1) CAREERS AND ORIENTATION, (2) LEADERSHIP, (3) SUPERVISED FARM TRAINING, (4) ANIMAL SCIENCE, (5) PLANT AND SOIL SCIENCE, AND (6) AGRICULTURAL MECHANICS. THE INSTRUCTIONAL UNITS ARE DESIGNED TO ACCOUNT FOR 60 PERCENT OF AN INSTRUCTOR'S TIME; 40 PERCENT SHOULD BE DEVELOPED BY THE INSTRUCTOR TO MEET DEMANDS OF THE LOCAL COMMUNITY. INCLUDED IN EACH SECTION ARE OBJECTIVES, SUGGESTED ACTIVITIES, TRANSPARENCY MASTERS, INFORMATION SHEETS, JOB SHEETS, REFERENCES, QUIZZES, AND ANSWERS TO QUIZZES. (GB)

VT 011 982
NIX, PHILLIP S.
PERENNIAL AND TEMPORARY PASTURE GRASSES FOR IMPROVED PASTURES; PASTURE MANAGEMENT GUIDELINES.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION. TEXAS 77843 ($1.20).
PUB DATE - ND 61P.

DESCRIPTORS - *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; AGRONOMY; PLANTING; COURSE CONTENT; PLANT SCIENCE; BIBLIOGRAPHIC CITATIONS; SLIDES
IDENTIFIERS - *PASTURES

ABSTRACT - DEVELOPED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN TEACHING PASTURE MANAGEMENT, THIS INDIVIDUALLY AUTHORED BOOKLET DEALS WITH PERENNIAL AND TEMPORARY PASTURE GRASSES WITH PARTICULAR ATTENTION TO TEXAS. CONTENTS ARE: (1) LESSON PLAN OUTLINE, (2) AREAS OF PLANT ADAPTABILITY IN TEXAS, (3) PASTURE PLANTS LISTED BY AREA, (4) PLANTS FOR IMPROVED PERMANENT PASTURES, (5) RECOMMENDATIONS FOR SEEDING, (6) RECOMMENDED GRASS MIXTURES, (7) SUMMER TEMPORARY PASTURE PLANTS, (8) WINTER TEMPORARY PASTURE PLANTS, AND (9) SMALL GRAINS SUPPLEMENT. A SLIDE SET AND SCRIPT ENTITLED "IDENTIFICATION OF PERENNIAL AND TEMPORARY PASTURE GRASSES FOR IMPROVED PASTURES" FOR USE WITH THIS MATERIAL ARE AVAILABLE FROM THE SOURCE OF AVAILABILITY LISTED ABOVE. APPENDED ARE NUMEROUS REFERENCES AVAILABLE FROM THE UNIVERSITY. (GB)

VT 011 983
COOPERATIVE PART-TIME TRAINING IN VOCATIONAL AGRICULTURE. TEACHERS HANDBOOK.

TEXAS EDUCATION AGENCY, AUSTIN.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($1.80).
PUB DATE - JUN70 120P.

DESCRIPTORS - *PROGRAM GUIDES; *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *COOPERATIVE PROGRAMS; *WORK EXPERIENCE; HIGH SCHOOLS; COURSE DESCRIPTIONS; JOB TRAINING; SECONDARY GRADES

ABSTRACT - TO ASSIST ADMINISTRATORS, VOCATIONAL AGRICULTURE TEACHERS, AND AREA SUPERVISORS OF VOCATIONAL AGRICULTURE, THIS HANDBOOK ON ESTABLISHING AND CARRYING OUT COOPERATIVE TRAINING PROGRAMS IN VOCATIONAL AGRICULTURE WAS DEVELOPED BY THE TEXAS EDUCATION AGENCY. CONTENTS ARE: (1) COOPERATIVE PART-TIME TRAINING, (2) ESTABLISHING A COOPERATIVE COURSE, (3) MINIMUM STANDARDS FOR UNIT ALLOCATION, (4) SELECTING STUDENTS, (5) SELECTING TRAINING STATIONS, (6) PLACING STUDENTS, (7) EMPLOYER-EMPLOYEE AGREEMENTS, (8) THE ADVISORY COMMITTEE, (9) TEACHING MATERIALS, (10) TEACHER VISITS TO TRAINER STATIONS, (11) STUDENT EVALUATION, (12) COOPERATIVE PART-TIME TRAINING AND THE FFA, (13) TEACHING RELATED INSTRUCTION, (14) PUBLIC RELATIONS, (15) REPORTS, AND (16) LABOR LAWS. APPENDED IS A SUGGESTED CALENDAR OF EVENTS. (GB)

VT 011 992
ELECTRICAL APPLICATIONS FOR GREENHOUSES.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($1.35).
PUB DATE - ND 64P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *GREENHOUSES; *CONTROLLED

ENVIRONMENT; PLANT GROWTH; *ELECTRICITY

ABSTRACT - FOR USE IN TEXAS VOCATIONAL AGRICULTURE CLASSES, THIS MANUAL IS INTENDED TO AID IN PREPARING STUDENTS FOR GREENHOUSE MANAGEMENT AND RELATED OCCUPATIONS THROUGH THE USE OF INSTRUCTIONAL GREENHOUSES AS FACILITIES FOR STUDYING THE PRINCIPLES OF PLANT GROWTH AND ECOLOGY. NINE LESSONS COVERING THE APPLICATION OF ELECTRICAL EQUIPMENT IN THE OPERATION OF GREENHOUSES INCLUDE: (1) POTENTIAL APPLICATIONS OF ELECTRICITY, (2) SPACE HEATING IN THE GREENHOUSE, (3) HEATING BENCHES OR HOTBEDS FOR PROPAGATION, (4) COOLING THE GREENHOUSE, (5) VENTILATION AND AIR MOVEMENT, (6) SOIL STERILIZATION (PASTEURIZATION), (7) PUMPING AND HUMIDITY REQUIREMENTS, (8) LIGHT IN GREENHOUSES, AND (9) PLANNING AND INSTALLING THE WIRING SYSTEM. THE MANUAL IS ILLUSTRATED WITH TEMPERATURE MAPS, DIAGRAMS, AND TABLES. A BIBLIOGRAPHY, A LISTING OF ADDRESSES OF THE STATE EXTENSION SERVICES, AND SUGGESTED REFERENCES ARE ALSO PROVIDED. (AW)

VT 012 000
ESSENTIALS OF COMPETITIVE LIVESTOCK MARKETING.

TEXAS A AND M UNIV., COLLEGE STATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($1.10).
PUB DATE - ND 56P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *SUPPLEMENTARY TEXTBOOKS; *LIVESTOCK; *MARKETING; GLOSSARIES; *AGRICULTURAL PRODUCTION

ABSTRACT - INTENDED FOR PERSONS WHO NEED AN UNDERSTANDING OF COMPETITIVE LIVESTOCK MARKETING, THIS PUBLICATION WAS PREPARED BY THE TEXAS A AND M UNIVERSITY WITH THE ASSISTANCE OF MEMBERS OF THE AMERICAN STOCK YARDS ASSOCIATION. TOPICS ARE: (1) WHAT DETERMINES THE PRICE OF LIVESTOCK, (2) CHARACTERISTICS OF A SATISFACTORY LIVESTOCK MARKET, (3) FUNCTIONS AND RESPONSIBILITIES OF LIVESTOCK MARKETS, (4) PRODUCER RESPONSIBILITY, (5) THE PACKERS AND STOCKYARDS ACT, (6) EVALUATION OF MARKET LIVESTOCK AS AFFECTED BY THE ANIMALS, (7) FEDERAL GRADING, (8) INTERPRETATION OF MARKET REPORTS, AND (9) COSTS OF LIVESTOCK MARKETING. APPENDED IS A GLOSSARY OF TERMS AND DEFINITIONS. (GB)

VT 012 001
FARM ELECTRIFICATION LESSON PLANS; WIRING AND SAFETY.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN. VOCATIONAL AGRICULTURAL EDUCATION DIV.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($1.75).
PUB DATE - 67 95P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *LESSON PLANS; *AGRICULTURAL ENGINEERING; *ELECTRICITY; *SAFETY; TRANSPARENCIES; SECONDARY GRADES; POST SECONDARY EDUCATION

ABSTRACT - THE LESSON PLANS IN THIS PUBLICATION HAVE BEEN PREPARED TO ASSIST VOCATIONAL AGRICULTURE TEACHERS WITH INSTRUCTION FOR SCHOOL YOUTH, YOUNG FARMERS, AND ADULT FARMERS IN THE BASIC FUNDAMENTALS AND SKILLS OF ELECTRICAL WIRING AND ELECTRICAL SAFETY. THE MATERIAL WAS DEVELOPED BY STAFF MEMBERS OF THE AGRICULTURAL EDUCATION DEPARTMENT AND THE AGRICULTURAL ENGINEERING DEPARTMENT OF TEXAS A AND M UNIVERSITY IN COOPERATION WITH TEACHERS OF VOCATIONAL AGRICULTURE, PERSONNEL WITH THE ELECTRIC POWER COMPANIES IN TEXAS, AND STAFF OF THE TEXAS EDUCATION AGENCY. CONTENTS ARE: (1) FUNDAMENTALS OF ELECTRICITY, (2) ELECTRICAL SAFETY, (3) SPLICES AND CONNECTIONS, (4) SELECTING WIRE SIZES, (5) WIRING MATERIALS, (6) PLANNING THE WIRING LAYOUT, AND (7) PRACTICE WIRING. NUMEROUS TRANSPARENCY MASTERS ARE INCLUDED. (GB)

VT 012 002
SUGGESTED BASIC COURSE OUTLINE FOR AGRICULTURAL MACHINERY SERVICE AND REPAIR.

TEXAS EDUCATION AGENCY, AUSTIN. VOCATIONAL PROGRAM DEVELOPMENT, EVALUATION, AND COORDINATION.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($2.80).
PUB DATE - AUG66 146P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *AGRICULTURAL MACHINERY; *CURRICULUM GUIDES; *REPAIR; COURSE OBJECTIVES; BIBLIOGRAPHIC CITATIONS; FILMS; FILMSTRIPS

ABSTRACT - PREPARED FOR VOCATIONAL AGRICULTURE TEACHERS IN AGRICULTURAL MACHINERY INSTRUCTION BY THE TEXAS EDUCATION AGENCY, THIS COURSE OUTLINE COVERS BASIC SKILLS AND TECHNICAL INFORMATION AND SHOULD BE SUPPLEMENTED WITH OTHER NECESSARY AREAS OF INSTRUCTION FOR DEVELOPING A DETAILED COURSE OF STUDY. CONTENTS ARE: (1) INTRODUCTION, (2) INTERNAL COMBUSTION ENGINES, (3) LUBRICANTS AND LUBRICATING SYSTEMS, (4) FUEL SYSTEMS, (5) COOLING SYSTEM, (6) ELECTRICAL SYSTEM, (7) ENGINE TESTING AND TUNE-UP, (8) THE POWER TRAIN, (9) BRAKING SYSTEM, (10) STEERING SYSTEMS, (11) WHEELS AND TIRES, (12) HYDRAULICS, (13) RECONDITIONING BODY PARTS, (14) SOIL TILLAGE EQUIPMENT, (15) PLANTING EQUIPMENT, (16) WEED CONTROL EQUIPMENT, (17) SPRAYERS AND DUSTERS, (18) FERTILIZERS, (19) HARVESTING EQUIPMENT, AND (20) SPECIAL EQUIPMENT. APPENDED ARE A BIBLIOGRAPHY, TRACTOR MANUFACTURERS ADDRESSES, VISUAL AIDS LIST, SUPPLY LIST, AND A TOOL AND EQUIPMENT LIST. (GB)

VT 012 008
LITTERST, FRANK C., JR.
CATTLE FEEDERS' GUIDELINES FOR THE SOUTHWEST.

TEXAS A AND M UNIV., COLLEGE STATION.

TEXAS EDUCATION AGENCY, AUSTIN.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($2.05).
PUB DATE - NC 103P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *SUPPLEMENTARY TEXTBOOKS; *ANIMAL SCIENCE; *AGRICULTURAL PRODUCTION; *LIVESTOCK; ILLUSTRATIONS; MARKETING; FEED INDUSTRY; HIGH SCHOOLS

ABSTRACT - INTENDED FOR USE IN TEACHING ANIMAL SCIENCE STUDENTS IN HIGH SCHOOLS AND INSTITUTIONS OF HIGHER LEARNING OR FOR UTILIZATION OF INTERESTED CATTLE FEEDERS, THIS DOCUMENT IS THE RESULT OF 3 YEARS OF THE AUTHOR'S PERSONAL RESEARCH INTO THE CATTLE FEEDING BUSINESS IN THE SOUTHWESTERN STATES. IN COOPERATION WITH THE TEXAS EDUCATION AGENCY AND TEXAS A AND M UNIVERSITY, THE AUTHOR UTILIZED THE RESOURCES OF FEEDLOT OPERATORS, FEEDER ASSOCIATIONS, FEED COMPANIES, AND FEEDERS. CONTENTS ARE: (1) GROWTH OF CATTLE FEEDING IN THE SOUTHWESTERN UNITED STATES, (2) SOURCE AND TYPES OF FEEDER CATTLE, (3) RECEIVING AND PROCESSING FEEDERS AT THE FEEDLOT, (4) FEEDLOT CONSTRUCTION METHODS, (5) FEEDS AND FEEDING IN THE SOUTHWESTERN FEEDLOTS, AND (6) FEEDLOT PERFORMANCE AND MARKETING. NUMEROUS ILLUSTRATIONS AND PICTURES ARE INCLUDED TO COMPLEMENT THE TEXT. (GB)

VT 012 039
NIX, PHILLIP S.
NITRATE ACCUMULATION IN FORAGES AND ITS EFFECT ON GRAZING ANIMALS. PASTURE MANAGEMENT GUIDELINES.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($.55).
PUB DATE - NC 28P.

DESCRIPTORS - *TEACHING GUIDES; *AGRICULTURAL EDUCATION; *AGRICULTURAL PRODUCTION; VOCATIONAL AGRICULTURE; *FERTILIZERS; VOCATIONAL AGRICULTURAL TEACHERS; AGRONOMY; COURSE CONTENT; PLANT SCIENCE; SOIL SCIENCE; SLIDES; BIBLIOGRAPHIC CITATIONS; ILLUSTRATIONS

ABSTRACT - PART OF A SERIES DEVELOPED FOR USE BY VOCATIONAL AGRICULTURE TEACHERS IN TEACHING PASTURE MANAGEMENT, THIS DOCUMENT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE TEXAS EDUCATION AGENCY AND TEXAS A AND M UNIVERSITY. THIS BOOKLET DEALS PRIMARILY WITH THE PROBLEM OF NITRATE ACCUMULATION IN FORAGES AND THE EFFECT ON GRAZING ANIMALS. CONTENTS ARE: (1) NITRATE ACCUMULATION IN FORAGES AND ITS EFFECT ON ANIMALS, (2) ENZYMES, (3) FACTORS WITHIN PLANTS, (4) SOURCES OF NITRATE, (5) SOURCES OF INJURY, (6) SUSCEPTIBILITY OF ANIMALS, (7) DIAGNOSIS, TREATMENT AND CONTROL OF NITRATE POISONING, AND (8) MEASURES OF PREVENTION. ILLUSTRATIONS AND TABLES ARE PRESENTED AS WELL AS AN APPENDED BIBLIOGRAPHY. A SLIDE SET AND SCRIPT ENTITLED "NITRATE ACCUMULATION IN FORAGES, AND ITS EFFECT ON GRAZING ANIMALS" ARE AVAILABLE FOR USE WITH MATERIAL IN THIS BOOKLET FROM THE SOURCE OF AVAILABILITY LISTED ABOVE. (GB)

VT 012 040
NIX, PHILLIP S.
PRODUCING QUALITY HAY. PASTURE MANAGEMENT GUIDELINES.

TEXAS A AND M UNIV., COLLEGE STATION.
TEXAS EDUCATION AGENCY, AUSTIN.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843 ($.95).
PUB DATE - ND 47P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; VOCATIONAL AGRICULTURE TEACHERS; AGRONOMY; PLANT SCIENCE; PLANT GROWTH; BIBLIOGRAPHIC CITATIONS; SLIDES; HARVESTING; ILLUSTRATIONS

ABSTRACT - PART OF A SERIES DEVELOPED FOR VOCATIONAL AGRICULTURE TEACHERS IN TEACHING PASTURE MANAGEMENT, THIS DOCUMENT DEALS PRIMARILY WITH THE PRODUCTION OF QUALITY HAY. INDIVIDUALLY AUTHORED WITH THE COOPERATION OF THE TEXAS EDUCATION AGENCY AND TEXAS A AND M UNIVERSITY, THE CONTENT INCLUDES FACTORS RELATED TO THE PRODUCTION OF QUALITY HAY AND RESULTS OF EXPERIMENTS TO SUPPORT THE DISCUSSION. SECTIONS ARE ALSO DEVOTED TO COMPARING RELATIVE ADVANTAGES OF BALING AND STACKING HAY. A SLIDE SET AND SCRIPT ENTITLED "PRODUCING QUALITY HAY" ARE AVAILABLE FOR USE WITH THIS MATERIAL FROM THE SOURCE OF AVAILABILITY LISTED ABOVE. (GB)

VT 012 142 ED 047 091
A SELECTED LIST OF BOOKS AND PERIODICALS FOR AGRICULTURAL EDUCATION AND TRAINING IN AFRICA.

UNITED NATIONS FOOD AND AGRICULTURE ORGANIZATION, ROME (ITALY).
PUB DATE - 68 139P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *BIBLIOGRAPHIES; *EDUCATIONAL RESEARCH; *INSTRUCTIONAL MATERIALS; *RESOURCE MATERIALS; AGRICULTURE

ABSTRACT - PREPARED BY THE FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS, THIS BIBLIOGRAPHY OF BOOKS AND PAMPHLETS ON THE AGRICULTURAL SCIENCES AND RELATED SUBJECTS FOR AGRICULTURAL EDUCATION AND TRAINING IN AFRICA IS CLASSIFIED IN BROAD SUBJECT AREA GROUPS. EACH ITEM INCLUDES AUTHOR, TITLE, PLACE OF PUBLICATION, PUBLISHER, PUBLICATION DATE, PRICE, AND A GRADING SYMBOL INDICATING ADVANCED OR INTERMEDIATE STANDARD. (GB)

VT 012 233
RESOURCE UNIT ON CONSTRUCTION AND MAINTENANCE SKILLS FOR CORE CURRICULUM. RESOURCE UNIT NUMBER ELEVEN.

ARIZONA UNIV., TUCSON. DEPT. OF AGRICULTURAL EDUCATION.
ARIZONA STATE DEPT. OF VOCATIONAL EDUCATION, PHOENIX. AGRICULTURAL EDUCATION SECTION.
PUB DATE - JUL70 225P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *RESOURCE UNITS; *CORE CURRICULUM; *VOCATIONAL AGRICULTURE; *AGRICULTURAL SKILLS; CONSTRUCTION (PROCESS); MAINTENANCE; UNITS OF STUDY (SUBJECT FIELDS); AGRICULTURAL ENGINEERING; COURSE DESCRIPTIONS

ABSTRACT - INTENDED FOR VOCATIONAL AGRICULTURE INSTRUCTION IN AGRICULTURAL MECHANIZATION, THIS RESOURCE UNIT ON CONSTRUCTION AND MAINTENANCE SKILLS WAS DEVELOPED BY THE ARIZONA DEPARTMENT OF VOCATIONAL EDUCATION AND THE AGRICULTURAL EDUCATION DEPARTMENT OF THE UNIVERSITY OF ARIZONA. ACTIVITIES HAVE BEEN SELECTED TO PROVIDE STUDENTS AN OPPORTUNITY TO ATTAIN SOME SKILL BEFORE PROGRESSING TO A PROJECT THAT WOULD REQUIRE THE APPLICATION OF VARIOUS SKILLS. SKILL AREAS ARE: (1) LABOR MANAGEMENT, (2) WORKING DRAWINGS, (3) CONSTRUCTION AND FABRICATION WITH WOOD, (4) CONSTRUCTION AND FABRICATION WITH METAL (COLD METAL, ARC WELDING, OXYACETYLENE WELDING, PIPE AND TUBING), (5) MAINTENANCE OF WOOD AND METAL CUTTING TOOLS, AND (6) SURVEYING. THE SUGGESTED LENGTH OF INSTRUCTION IS 125 HOURS. (NOT RECOMMENDED FOR HARD COPY REPRODUCTION DUE TO MARGINAL LEGIBILITY OF ORIGINAL.) (GB)

VT 012 265
SELECTED WEEDS OF THE UNITED STATES. AGRICULTURE HANDBOOK NO. 366.

AGRICULTURAL RESEARCH SERVICE (DOA), WASHINGTON, D.C.
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402
1.76:366, $4.00).
PUB DATE - MAR70 467P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *MANUALS; *WEEDS; *CLASSIFICATION; *ILLUSTRATIONS; BOTANY; PLANT SCIENCE; INSTRUCTIONAL MATERIALS

ABSTRACT - PREPARED BY THE AGRICULTURAL RESEARCH SERVICE, DEPARTMENT OF AGRICULTURE, THIS HANDBOOK ILLUSTRATES AND DESCRIBES 224 IMPORTANT WEEDS IN THE UNITED STATES AND INDICATES THEIR GEOGRAPHICAL DISTRIBUTION IN THIS COUNTRY. THESE SELECTED WEEDS ARE SOME OF THE PREVALENT ONES IN CROPLANDS, GRAZING LANDS, NONCROPLANDS, AND AQUATIC SITES. THE SCIENTIFIC AND COMMON NAMES ARE THOSE GENERALLY USED BY THE WEED SCIENCE SOCIETY OF AMERICA. DRAWINGS OF THE WEEDS HAVE BEEN MADE TO SCALE, AND INCLUDE MAGNIFIED DRAWINGS OF LEAVES, STEMS, FLOWERS, FRUITS AND SEEDS. (GB)

VT 012 313
DILEY, WILLIAM
AGRI-BUSINESS, IS IT FOR ME?.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.25).
PUB DATE - 71 16P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *PROGRAM DESCRIPTIONS; *OCCUPATIONAL GUIDANCE; CAREER PLANNING; *CAREER OPPORTUNITIES; VOCATIONAL DEVELOPMENT; SECONDARY SCHOOL STUDENTS; OFF FARM AGRICULTURAL OCCUPATIONS

ABSTRACT - THIS PUBLICATION IS INTENDED TO HELP STUDENTS IN PLANNING FOR THEIR EDUCATIONAL AND VOCATIONAL NEEDS. THE PROGRAM OF AGRIBUSINESS AND SERVICE IS TO PREPARE HIGH SCHOOL STUDENTS ENROLLED IN VOCATIONAL AGRICULTURE FOR EMPLOYMENT IN RELATED OCCUPATIONS WHERE KNOWLEDGE, SKILLS, AND ABILITIES IN AGRICULTURE ARE REQUIRED. CAREER OPPORTUNITIES AND PROGRAM EXPLANATIONS ARE PRESENTED TO GIVE A BETTER UNDERSTANDING OF THE AGRIBUSINESS PROGRAMS FOR HIGH SCHOOL STUDENTS. (GB)

VT 012 316
REID, RICHARD A.
PROFIT-MAXIMIZING PRINCIPLES. INSTRUCTIONAL UNITS FOR VOCATIONAL AGRICULTURE.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE.
OEC-3-7-068763-1949 08
AGDEX/810 BR-6-8763¬
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($2.00).
PUB DATE - SEP70 127P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *TEACHING GUIDES; HIGH SCHOOLS; HIGH SCHOOL STUDENTS; BIBLIOGRAPHIC CITATIONS; CONCEPT TEACHING

ABSTRACT - TO ASSIST TEACHERS OF VOCATIONAL AGRICULTURE WITH INSTRUCTION ON BASIC ECONOMIC PRINCIPLES AS APPLIED TO FARM BUSINESS MANAGEMENT, THIS TEACHER'S MANUAL IS THE RESULT OF A COOPERATIVE EFFORT OF THE AGRICULTURAL EDUCATION DEPARTMENT OF THE OHIO STATE UNIVERSITY, THE OHIO STATE DEPARTMENT OF EDUCATION, AND THE U.S. OFFICE OF EDUCATION. THE INSTRUCTIONAL UNITS WERE FIELD-TRIED AND EVALUATED BY 16 VOCATIONAL AGRICULTURE TEACHERS. CONTENTS ARE: (1) INTRODUCTION, (2) DIMINISHING RETURNS, (3) FIXED-VARIABLE COSTS, (4) SUBSTITUTION, (5) OPPORTUNITY COSTS, (6) COMBINATION OF ENTERPRISES, AND (7) TIME RELATIONSHIPS. TERM DEFINITIONS, OBJECTIVES, TABLES, ILLUSTRATIONS, SUGGESTED TEACHER ACTIVITIES, STUDENT EXERCISES, QUIZZES, AND REFERENCES ARE PRESENTED. THIS DOCUMENT IS A REVISION OF ED 014 552 OR VT 002 024 (AIM SPRING 1968). (GB)

VT 012 344 ED 045 846
ORNAMENTAL HORTICULTURE TECHNOLOGY; SUGGESTED 2-YEAR POST HIGH SCHOOL CURRICULUMS.

OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. DIV. OF VOCATIONAL AND TECHNICAL EDUCATION.
OE-81017
SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 (HE5.281:81017, $1.75).
PUB DATE - 70 216P.

DESCRIPTORS - *CURRICULUM GUIDES; *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *ORNAMENTAL HORTICULTURE OCCUPATION; FLORICULTURE; LANDSCAPING; TURF MANAGEMENT; NURSERIES (HORTICULTURE); NURSERY WORKERS (HORTICULTURE); POST SECONDARY EDUCATION; OFF FARM AGRICULTURAL OCCUPATIONS

ABSTRACT - DEVELOPED BY A TECHNICAL EDUCATION SPECIALIST, THIS GUIDE IS DESIGNED TO AID SCHOOL ADMINISTRATORS IN PLANNING AND DEVELOPING 2-YEAR POST-HIGH SCHOOL PROGRAMS OR EVALUATING EXISTING PROGRAMS IN ORNAMENTAL HORTICULTURE TECHNOLOGY. IN ADDITION TO GENERAL INFORMATION ON THE PROGRAM, CONTENTS INCLUDE COURSE OUTLINES WITH EXAMPLES OF TEXTS AND REFERENCES, TECHNICAL EDUCATION PROCEDURES, AND LABORATORY LAYOUTS WITH EQUIPMENT AND COSTS AND LAND REQUIREMENTS FOR FIVE SUBJECT AREAS: (1) FLORICULTURE, (2) LANDSCAPE DEVELOPMENT, (3) NURSERY OPERATION, (4) TURFGRASS MANAGEMENT, AND (5) ARBORICULTURE. A SELECTED LIST OF SCIENTIFIC, TRADE, AND TECHNICAL SOCIETIES CONCERNED WITH THE TECHNOLOGY IS APPENDED. THE SUGGESTED PROGRAM MAY BE MODIFIED TO MEET LOCAL, STATE, AND REGIONAL NEEDS. (AW)

VT 012 403
RICHARD, CLAUDE E.
SOILS: PREPARING THE SOIL FOR PLANTING. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG. AGRICULTURAL EDUCATION.
PUBLICATION AP-3
PUB DATE - 70 13P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS; *CURRICULUM GUIDES; *SOIL SCIENCE; AGRONOMY; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; COURSE CONTENT

ABSTRACT - INTENDED FOR USE BY TEACHERS OF AGRICULTURE IN DEVELOPING A TEACHING PLAN ON PREPARING THE SOIL FOR PLANTING, THIS LESSON OUTLINE WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE AGRICULTURAL EDUCATION DEPARTMENT OF VIRGINIA POLYTECHNIC INSTITUTE. CONTENTS ARE: (1) SITUATION, (2) TEACHER OBJECTIVES, (3) INTRODUCTION, (4) GROUP OBJECTIVES, (5) PROBLEMS AND CONCERNS, (6) REFERENCES, (7) VISUAL AIDS, (8) SPECIAL EVENTS, (9) APPLICATION AND EVALUATION, AND (10) CONTENT SUMMARY. (GB)

VT 012 404
RICHARD, CLAUDE E.
SOILS: DETERMINING LAND CAPABILITY CLASSES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG. AGRICULTURAL EDUCATION.
PUBLICATION AP-2
PUB DATE - 70 14P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS; *CURRICULUM GUIDES; *SOIL SCIENCE; *LAND USE; AGRONOMY; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; COURSE CONTENT

ABSTRACT - INTENDED FOR USE BY TEACHERS OF AGRICULTURE IN DEVELOPING A TEACHING PLAN ON DETERMINING LAND CAPABILITY CLASSES IN SOIL SCIENCE INSTRUCTION, THIS LESSON OUTLINE WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE AGRICULTURAL EDUCATION DEPARTMENT OF VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. CONTENTS INCLUDE: (1) INTRODUCTION, (2) TEACHER AND GROUP OBJECTIVES, (3) PROBLEMS AND CONCERNS, (4) REFERENCES, (5) VISUAL AIDS, (6) SPECIAL EVENTS, (7) APPLICATION AND EVALUATION, AND (8) CONTENT SUMMARY. SUGGESTIONS FOR USING THE MATERIALS ARE INCLUDED. (GB)

VT 012 405
RICHARD, CLAUDE E.
SOILS: DEVELOPING A SOIL AND WATER CONSERVATION PLAN. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG. AGRICULTURAL EDUCATION.
PUBLICATION AP-4
PUB DATE - 70 16P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS; CURRICULUM GUIDES; *SOIL SCIENCE; *SOIL CONSERVATION; *CONSERVATION EDUCATION; WATER RESOURCES; NATURAL RESOURCES; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; COURSE CONTENT

ABSTRACT - INTENDED FOR USE BY TEACHERS OF AGRICULTURE IN DEVELOPING A TEACHING PLAN ON SOIL AND WATER CONSERVATION, THIS LESSON OUTLINE WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE AGRICULTURAL EDUCATION DEPARTMENT OF VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. CONTENTS INCLUDE: (1) INTRODUCTION, (2) TEACHER AND GROUP OBJECTIVES, (3) PROBLEMS AND CONCERNS, (4) REFERENCES, (5) VISUAL AIDS, (6) SPECIAL EVENTS, (7) APPLICATION AND EVALUATION, AND (8) CONTENT SUMMARY. SUGGESTIONS FOR USING THE MATERIAL ARE INCLUDED. (GB)

VT 012 406
RICHARD, CLAUDE E.
SOILS: UNDERSTANDING THE NATURE AND IMPORTANCE OF SOIL. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG. AGRICULTURAL EDUCATION.
PUBLICATION AP-1
PUB DATE - 70 26P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *INSTRUCTIONAL MATERIALS; CURRICULUM GUIDES; *SOIL SCIENCE; *AGRONOMY; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; *TRANSPARENCIES; AUDIOVISUAL AIDS; COURSE CONTENT

ABSTRACT - INTENDED FOR USE BY TEACHERS OF AGRICULTURE IN DEVELOPING A TEACHING PLAN ON UNDERSTANDING THE NATURE AND IMPORTANCE OF SOIL, THIS LESSON OUTLINE WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE AGRICULTURAL EDUCATION DEPARTMENT OF VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. CONTENTS ARE: (1) INTRODUCTION, (2) TEACHER AND GROUP OBJECTIVES, (3) PROBLEMS AND CONCERNS, (4) REFERENCES, (5) VISUAL AIDS, (6) SPECIAL EVENTS, (7) APPLICATION AND EVALUATION, AND (8) CONTENT SUMMARY. INCLUDED ARE NUMEROUS TRANSPARENCY MASTERS AND SUGGESTIONS FOR USING THESE MATERIALS. (GB)

VT 012 418
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--HERBICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 1. IMPORTANCE OF HERBICIDES AND CONTROL PRACTICES FOR CORN.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV2-1
PUB DATE - 70 25P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; *HERBICIDES; *CORN (FIELD CROP); EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON THE IMPORTANCE OF HERBICIDES AND CONTROL PRACTICES FOR CORN IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--HERBICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 419-VT 012 423, ALSO IN THIS ISSUE. (GB)

VT 012 419
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--HERBICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 2. METHODS OF WEED CONTROL AND CONTROL PRACTICES FOR FORAGE CROPS AND SOYBEANS.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 2-2
PUB DATE - 70 26P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; *HERBICIDES; *FIELD CROPS; *AGRICULTURAL PRODUCTION; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON METHODS OF WEED CONTROL AND CONTROL PRACTICES FOR FORAGE CROPS AND SOYBEANS IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--HERBICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 418-VT 012 423, ALSO IN THIS ISSUE. (GB)

VT 012 420
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--HERBICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 4. APPLICATION EQUIPMENT.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV2-4
PUB DATE - 70 23P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; *HERBICIDES; *AGRICULTURAL MACHINERY; DIAGRAMS; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS; YOUNG FARMER EDUCATION

ABSTRACT - PREPARED FOR TEACHERS IN AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON HERBICIDE APPLICATION EQUIPMENT IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--HERBICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 418-VT 012 423, ALSO IN THIS ISSUE. (GB)

VT 012 421
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--HERBICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL

EDUCATION. LESSON 3. SELECTING HERBICIDES AND CONTROL PRACTICES FOR TOBACCO AND LAWNS AND TURFS.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 2-3
PUB DATE - 70 26P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *HERBICIDES; LESSON PLANS; *HORTICULTURE; *FIELD CROPS; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON SELECTIVE HERBICIDES AND CONTROL PRACTICES FOR LAWNS AND TURFS AND TOBACCO IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--HERBICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 418-VT 012 423, ALSO IN THIS ISSUE. (GB)

VT 012 422
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--HERBICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 5. CONTROL PRACTICES FOR SMALL GRAINS, GARDENS, AND SPECIALTY AREAS.

VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 2-5
PUB DATE - 70 19P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *HERBICIDES; *AGRICULTURAL PRODUCTION; *FIELD CROPS; LESSON PLANS; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON CONTROL PRACTICES FOR SMALL GRAINS, GARDENS, AND SPECIALTY AREAS IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--HERBICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 418-VT 012 423, ALSO IN THIS ISSUE. (GB)

VT 012 423
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--HERBICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 6. SAFETY-LEGAL CONSIDERATIONS AND CONTROL PRACTICES FOR WEEDS OF PEANUTS AND PASTURES.

VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 2-6
PUB DATE - 70 27P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; *HERBICIDES; *AGRICULTURAL PRODUCTION; FIELD CROPS; *SAFETY; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON SAFETY, LEGAL CONSIDERATIONS, AND CONTROL PRACTICES FOR PASTURES AND PEANUTS IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--HERBICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 418-VT 012 422, ALSO IN THIS ISSUE. (GB)

VT 012 424
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--PESTICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 1. NEED AND VALUE OF PESTICIDES.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 1-1
PUB DATE - 69 25P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; *HERBICIDES; *INSECTICIDES; *PESTICIDES; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON THE NEED AND VALUE OF PESTICIDES IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--PESTICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA

POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 425-VT 012 430, ALSO IN THIS ISSUE. (GB)

VT 012 425
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--PESTICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 2. DEVELOPMENT OF PESTICIDES.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 1-2
PUB DATE - 69 19P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; HERBICIDES; INSECTICIDES; *PESTICIDES; *DEVELOPMENT; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS; YOUNG FARMER EDUCATION

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON THE DEVELOPMENT OF PESTICIDES IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--PESTICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 424-VT 012 430, ALSO IN THIS ISSUE. (GB)

VT 012 426
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--PESTICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 3. PESTICIDE REGULATIONS.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 1-3
PUB DATE - 69 18P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; *HERBICIDES; *INSECTICIDES; *PESTICIDES; *LEGISLATION; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS; YOUNG FARMER EDUCATION

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS DOCUMENT ON PESTICIDE REGULATIONS IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--PESTICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 424-VT 012 430, ALSO IN THIS ISSUE. (GB)

VT 012 427
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--PESTICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 4. IDENTIFYING AND SELECTING CHEMICAL INSECTICIDES.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 1-4
PUB DATE - 69 20P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; LESSON PLANS; *TEACHING GUIDES; *INSECTICIDES; PESTICIDES; *SELECTION; *IDENTIFICATION; ENTOMOLOGY; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON IDENTIFYING AND SELECTING CHEMICAL INSECTICIDES IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--PESTICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 424-VT 012 430, ALSO IN THIS ISSUE. (GB)

VT 012 428
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--PESTICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 5. SELECTING NON-CHEMICAL METHODS OF INSECT CONTROL.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 1-5
PUB DATE - 69 18P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *INSECTICIDES; *ENTOMOLOGY; *SELECTION; LESSON PLANS; HERBICIDES; PESTICIDES; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL

MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON SELECTING NON-CHEMICAL METHODS OF INSECT CONTROL IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--PESTICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 424-VT 012 430, ALSO IN THIS ISSUE. (GB)

VT 012 429
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--PESTICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 6. RESISTANCE OF INSECTS TO INSECTICIDES.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 1-6
PUB DATE - 69 14P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; LESSON PLANS; HERBICIDES; *INSECTICIDES; *PESTICIDES; *ENTOMOLOGY; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON RESISTANCE OF INSECTS TO INSECTICIDES IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--PESTICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 424-VT 012 430, ALSO IN THIS ISSUE. (GB)

VT 012 430
COCKRAM, GARY L., ED.
AGRICULTURAL CHEMICALS--PESTICIDES. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION. LESSON 7. CONTROL PRACTICES FOR INSECTS.

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.
PUBLICATION ETV 1-7
PUB DATE - 69 22P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; LESSON PLANS; HERBICIDES; *INSECTICIDES; *PESTICIDES; *ENTOMOLOGY; EDUCATIONAL TELEVISION; ADULT FARMER EDUCATION; YOUNG FARMER EDUCATION; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; CHARTS

ABSTRACT - PREPARED FOR TEACHERS OF AGRICULTURE IN PLANNING AND CONDUCTING ADULT AND YOUNG FARMER PROGRAMS, THIS LESSON ON CONTROL PRACTICES FOR INSECTS IS ONE IN A SERIES OF EDUCATIONAL TELEVISION LESSON GUIDES ON AGRICULTURAL CHEMICALS--PESTICIDES. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE STATE DEPARTMENT OF EDUCATION AND VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, THESE LESSONS CONTAIN SUGGESTED PROCEDURES TO FOLLOW IN THE PREPARATION AND FOLLOWUP OF THE TV PRESENTATIONS. IN ADDITION, OBJECTIVES, REFERENCES, VISUAL AIDS, AND OTHER MATERIALS ARE INCLUDED. RELATED DOCUMENTS ARE AVAILABLE AS VT 012 424-VT 012 429, ALSO IN THIS ISSUE. (GB)

VT 012 477
FOSTER, ALBERT B.; FOX, ADRIAN C.
TEACHING SOIL AND WATER CONSERVATION. A CLASSROOM AND FIELD GUIDE.

SOIL CONSERVATION SERVICE (DOA), WASHINGTON, D.C.
PA-341
PUB DATE - AUG70 32P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CONSERVATION EDUCATION; SOIL CONSERVATION; *NATURAL RESOURCES; *TEACHING GUIDES; INSTRUCTIONAL MATERIALS; *ECOLOGY; WATER RESOURCES; FIELD INSTRUCTION; SOIL SCIENCE; ENVIRONMENTAL EDUCATION; FERTILIZERS

ABSTRACT - DESIGNED TO HELP TEACHERS IN SOIL AND WATER CONSERVATION INSTRUCTION, THIS PUBLICATION GIVES SOME PRACTICAL SUGGESTIONS TO HELP IN CARRYING OUT ACTIVITIES AND OBSERVATIONS IN THE CLASSROOM AND OUT-OF-DOORS. PREPARED BY THE SOIL CONSERVATION SERVICE, THE DOCUMENT PRESENTS 22 ACTIVITIES AND PROJECTS WHICH CAN BE USED OR MODIFIED BY THE TEACHER. EACH ACTIVITY IS PRESENTED IN TWO PARTS: (1) A HOW-TO-DO-IT PART, AND (2) AN INTERPRETATION. THE HOW-TO-DO-IT PART IS WRITTEN IN A LANGUAGE AND STYLE FOR PRESENTATION TO STUDENTS. THE INTERPRETATION IS ADDRESSED TO TEACHERS TO GIVE READILY AVAILABLE BACKGROUND INFORMATION. NUMEROUS ILLUSTRATIONS AND PICTURES ARE PRESENTED TO ASSIST IN INSTRUCTION. (GB)

VT 012 480
URBANIC, CHARLES E.
THE NURSERY WORKER. PART I--BASIC PLANT AND SOIL SCIENCE.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
AGDEX 954
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210

($1.95).
PUB DATE - 71 158P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *ORNAMENTAL HORTICULTURE; STUDY GUIDES; NURSERIES (HORTICULTURE); *SUPPLEMENTARY TEXTBOOKS; PLANT GROWTH; PLANT IDENTIFICATION; *SOIL SCIENCE; *PLANT SCIENCE; TREES; PLANT PROPAGATION

ABSTRACT - INTENDED FOR BEGINNING STUDENTS IN ORNAMENTAL HORTICULTURE AND IN PRODUCTION AGRICULTURE, THIS INDIVIDUAL STUDENT REFERENCE ON BASIC PLANT AND SOIL SCIENCE PROVIDES STUDENT EXERCISES FOR THE PRACTICAL APPLICATION OF PRINCIPLES, THEORIES, AND KNOWLEDGE IN HORTICULTURE. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE OHIO STATE UNIVERSITY AGRICULTURAL EDUCATION DEPARTMENT AND THE OHIO AGRICULTURAL EDUCATION SERVICE, THE STUDY GUIDE WAS DEVELOPED WITH ASSISTANCE FROM NURSERYMEN, EXTENSION PERSONNEL, AND OTHER EDUCATORS. TOPICS ARE: (1) INTRODUCTION TO THE NURSERY INDUSTRY, (2) SOILS, (3) IDENTIFICATION AND CHARACTERISTICS OF ORNAMENTAL PLANTS, (4) PLANT GROWTH, AND (5) PLANT NUTRIENTS. SEVERAL REFERENCES ARE PRESENTED IN VARIOUS SECTIONS OF THIS REFERENCE AS WELL AS NUMEROUS ILLUSTRATIONS. COMPANION DOCUMENTS IN THIS ISSUE ARE "PART II - NURSERY PRACTICES", AVAILABLE AS VT 012 482, AND "THE GREEN HOUSE WORKER", AVAILABLE AS VT 010 647.

VT 012 482
URBANIC, CHARLES E.
THE NURSERY WORKER. PART II--NURSERY PRACTICES.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE.
AGDEX 954
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($1.95).
PUB DATE - 71 190P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *ORNAMENTAL HORTICULTURE; STUDY GUIDES; *SUPPLEMENTARY TEXTBOOKS; *NURSERIES (HORTICULTURE); PLANT SCIENCE; *PLANT PROPAGATION; PLANT GROWTH; DISEASE CONTROL; RECORDKEEPING; PESTICIDES; ENTOMOLOGY; MARKETING

ABSTRACT - INTENDED FOR BEGINNING STUDENTS IN ORNAMENTAL HORTICULTURE AND IN PRODUCTION AGRICULTURE, THIS INDIVIDUAL STUDENT REFERENCE ON NURSERY PRACTICES PROVIDES STUDENT EXERCISES FOR THE PRACTICAL APPLICATION OF PRINCIPLES, THEORIES, AND KNOWLEDGE IN HORTICULTURE. INDIVIDUALLY AUTHORED IN COOPERATION WITH THE OHIO STATE UNIVERSITY AGRICULTURAL EDUCATION DEPARTMENT AND THE OHIO AGRICULTURAL EDUCATION SERVICE, THE STUDY GUIDE WAS DEVELOPED WITH ASSISTANCE FROM NURSERYMEN, EXTENSION PERSONNEL, AND OTHER EDUCATORS. TOPICS ARE: (1) METHODS OF PLANT PROPAGATION, (2) NURSERY FIELD PRACTICES, (3) CONTROLLING PESTS, (4) MARKETING NURSERY STOCK, AND (5) KEEPING RECORDS AND ACCOUNTS. SEVERAL REFERENCES ARE PRESENTED IN VARIOUS SECTIONS OF THIS REFERENCE AS WELL AS NUMEROUS ILLUSTRATIONS. COMPANION DOCUMENTS IN THIS ISSUE ARE "PART I - BASIC PLANT AND SOIL SCIENCE," AVAILABLE AS VT 012 480, AND "THE GREEN HOUSE WORKER," AVAILABLE AS VT 010 647. (GB)

VT 012 490
A GUIDE FOR PLANNING OCCUPATIONAL PROGRAMS IN FARM PRODUCTION AND MANAGEMENT.

NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT.
THE PUBLICATIONS DISTRIBUTION UNIT, STATE EDUCATION DEPARTMENT, ALBANY, NEW YORK 12224 (SINGLE COPIES AVAILABLE).
PUB DATE - 70 47P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; CURRICULUM PLANNING; VOCATIONAL AGRICULTURE; COURSE CONTENT; UNITS OF STUDY (SUBJECT FIELDS); COURSE ORGANIZATION; *FARM OCCUPATIONS; *FARM MANAGEMENT; *WORK EXPERIENCE PROGRAMS; FIELD EXPERIENCE PROGRAMS; INSTRUCTIONAL AIDS; BIBLIOGRAPHIC CITATIONS

ABSTRACT - THIS GUIDE FOR PLANNING AND ORGANIZING OCCUPATIONAL PROGRAMS IN FARM PRODUCTION AND MANAGEMENT IS INTENDED TO AID SCHOOL ADMINISTRATORS, DIRECTORS OF OCCUPATIONAL EDUCATION, INSTRUCTORS, AND OTHERS IN ESTABLISHING AND CONDUCTING SUCH PROGRAMS AT THE SECONDARY LEVEL. DEVELOPED BY THE NEW YORK STATE EDUCATION DEPARTMENT WITH ASSISTANCE OF AN ADVISORY COMMITTEE, THE MATERIAL IN THE GUIDE IS BASED UPON THE EXPERIENCE OF SCHOOLS OFFERING THE COURSE FOR MANY YEARS AND THE JUDGMENT OF SUCCESSFUL FARMERS AND AGRICULTURAL LEADERS. CHAPTERS ARE: (1) PLANNING PROGRAMS IN FARM PRODUCTION AND MANAGEMENT, (2) DEVELOPING THE COURSE OF STUDY, (3) SUGGESTIONS FOR PLANNING FACILITIES FOR FARM PRODUCTION AND MANAGEMENT PROGRAMS, (4) SUGGESTIONS FOR SELECTING NEEDED EQUIPMENT AND SUPPLIES, AND (5) SELECTING INSTRUCTIONAL MATERIALS. MANY REFERENCES AND INSTRUCTIONAL AIDS ARE LISTED IN CHAPTER 5. (GB)

VT 012 501
LEE, JASPER S.
A REFERENCE UNIT ON VEGETABLE PRODUCTION.

MISSISSIPPI STATE UNIV., STATE COLLEGE. DEPT. OF AGRICULTURAL EDUCATION.
MISSISSIPPI STATE BOARD FOR VOCATIONAL EDUCATION, JACKSON. VOCATIONAL AGRICULTURE DIV.
PUB DATE - MAY69 73P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *FIELD CROPS; *AGRICULTURAL PRODUCTION; *HORTICULTURE; *RESOURCE UNITS; PLANTING; HARVESTING; AGRONOMY; FERTILIZERS; WEEDS; INSECTICIDES; DISEASE CONTROL

ABSTRACT - TO PROVIDE STUDENTS AND TEACHERS WITH A COMPREHENSIVE VIEW OF VEGETABLE PRODUCTION, THIS REFERENCE UNIT WAS INDIVIDUALLY AUTHORED WITH ASSISTANCE FROM TEACHER TRAINERS, SUPERVISORS IN VOCATIONAL

AGRICULTURE, AND HORTICULTURE STAFF AT MISSISSIPPI STATE UNIVERSITY. CONTENTS ARE: (1) INTRODUCTION, (2) DETERMINING THE POSSIBILITIES OF COMMERCIAL VEGETABLE PRODUCTION IN MISSISSIPPI, (3) DETERMINING THE KIND OF VEGETABLE TO PRODUCE, (4) SELECTING THE VARIETY OF VEGETABLE TO PRODUCE, (5) SECURING GOOD SEED, (6) SELECTING SUITABLE SOIL, (7) PLANTING, (8) TILLING, (9) FERTILIZING, (10) CONTROLLING WEEDS, (11) CONTROLLING INSECTS, (12) CONTROLLING DISEASES, (13) IRRIGATING, (14) MULCHING, (15) ROTATING, (16) PRODUCING VEGETABLES, AND (17) HARVESTING AND POST-HARVEST MANAGEMENT. A BIBLIOGRAPHY IS APPENDED. (GB)

VT 012 510
WILLIAMS, DAVID L., ED.; AHMADI, ALI M., ED.
MOVING PRODUCTS INTO AGRICULTURAL FIRMS. SEVEN TEACHING SOURCE UNITS FOR AGRICULTURAL OCCUPATIONS OTHER THAN FARMING.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION.
AGRICULTURAL EDUCATION DIVISION, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.50, LIMITED SUPPLY).
PUB DATE - APR70 119P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *OFF FARM AGRICULTURAL OCCUPATIONS; *UNIT PLAN; *MANAGEMENT; INSTRUCTIONAL MATERIALS; PURCHASING; AGRICULTURAL SUPPLIES; BIBLIOGRAPHIC CITATIONS; INSTRUCTIONAL AIDS

ABSTRACT - FOCUSING UPON THE KNOWLEDGES AND SKILLS NEEDED BY EMPLOYEES IN MOVING THE PRODUCT FROM SUPPLIER TO THE AGRICULTURAL FIRM, THIS TEACHING SOURCE UNIT WAS DEVELOPED BY HIGH SCHOOL AND JUNIOR COLLEGE AGRICULTURE TEACHERS IN A COURSE AT THE UNIVERSITY OF ILLINOIS. THE MATERIALS ARE DIVIDED INTO SEVEN TEACHING SOURCE UNITS CONTAINING 34 PROBLEM AREAS. UNITS ARE: (1) UNDERSTANDING THE PURCHASING FUNCTION OF AN AGRICULTURAL FIRM, (2) DETERMINING THE KIND, QUANTITY, AND QUALITY OF PRODUCTS TO BUY, (3) IDENTIFYING POTENTIAL SUPPLIERS, (4) UNDERSTANDING METHODS USED BY AN AGRICULTURAL FIRM IN MAKING BUYING CONTRACTS, (5) IDENTIFYING METHODS OF TRANSPORTING AND ROUTING PRODUCTS, (6) UNDERSTANDING PROCEDURES FOR RECEIVING PRODUCTS, AND (7) IDENTIFYING WAYS OF MEASURING AND REPORTING PURCHASING PERFORMANCE. EACH PROBLEM AREA INCLUDES ANTICIPATED PROBLEMS, QUESTIONS AND CONCERNS, SUGGESTED TEACHER AND CLASS ACTIVITIES, AND A LISTING OF VARIOUS TEACHING AIDS. A SELECTED BIBLIOGRAPHY IS APPENDED. (GB)

VT 012 511
WILLIAMS, DAVID L., ED.
HANDLING PRODUCTS AND PERSONNEL IN AGRICULTURAL FIRMS. TEACHING SOURCE UNITS FOR AGRICULTURAL OCCUPATIONS OTHER THAN FARMING.

ILLINOIS UNIV., URBANA. DIV. OF AGRICULTURAL EDUCATION.
AGRICULTURAL EDUCATION DIVISION, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801 ($.50, LIMITED SUPPLY).
PUB DATE - OCT70 51P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; INSTRUCTIONAL MATERIALS; *CURRICULUM GUIDES; *OFF FARM AGRICULTURAL OCCUPATIONS; *UNIT PLAN; EDUCATIONAL OBJECTIVES; BIBLIOGRAPHIC CITATIONS; PERSONNEL MANAGEMENT; MONEY MANAGEMENT

ABSTRACT - FOCUSING ON THE KNOWLEDGES AND SKILLS NEEDED BY EMPLOYEES IN HANDLING PRODUCTS AND PERSONNEL IN NONFARM AGRICULTURAL FIRMS, THIS TEACHING UNIT WAS DEVELOPED BY AGRICULTURE TEACHERS AND THE AGRICULTURAL EDUCATION DIVISION, UNIVERSITY OF ILLINOIS. THE MATERIALS ARE DIVIDED INTO THREE TEACHING SOURCE UNITS CONTAINING 15 PROBLEM AREAS. DIVISIONS ARE: (1) UNDERSTANDING THE MANAGEMENT OF PERSONNEL IN AN AGRICULTURAL FIRM, (2) UNDERSTANDING THE FINANCIAL OPERATION, AND (3) UNDERSTANDING THE PRACTICES FOLLOWED IN STORING AND INVENTORYING PRODUCTS. EACH PROBLEM AREA INCLUDES TEACHER OBJECTIVES, REFERENCES, ANTICIPATED PROBLEMS AND CONCERNS OF STUDENTS, AND SUGGESTED CLASS AND INDIVIDUAL STUDENT ACTIVITIES. (GB)

VT 012 512
INGVALSON, BRIAN
TRACTOR HYDRAULICS. STUDENT WORKBOOK FOR VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL.
MINNESOTA RESEARCH COORDINATING UNIT IN OCCUPATIONAL EDUCATION, MINNEAPOLIS
PUB DATE - ND 27P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *WORKBOOKS; *HYDRAULICS; *TRACTORS; AGRICULTURAL MACHINERY; AGRICULTURAL ENGINEERING; HIGH SCHOOL STUDENTS

ABSTRACT - TO PROVIDE A BETTER UNDERSTANDING OF THE HOW AND WHY OF HYDRAULIC PRINCIPLES, THIS STUDENT WORKBOOK FOR HIGH SCHOOL VOCATIONAL AGRICULTURE CLASSES INCLUDES EIGHT LESSONS THAT FOLLOW THE "TRACTOR HYDRAULICS" BOOK BY THE AMERICAN ASSOCIATION FOR VOCATIONAL INSTRUCTIONAL MATERIALS. LESSONS, DEVELOPED BY A VOCATIONAL AGRICULTURE INSTRUCTOR, ARE: (1) INTRODUCTION TO HYDRAULICS AND HYDRAULIC THEORY, (2) HYDRAULIC PUMPS, (3) HYDRAULIC CONTROL VALVES, (4) HYDRAULIC CYLINDERS, (5) HYDRAULIC SEALS, PACKING, LINES, FITTINGS, AND ACCESSORIES, (6) INTERNAL HYDRAULIC DESIGN PROBLEMS, (7) HYDRAULIC CONTROL SYSTEMS, AND (8) HYDRAULIC SYSTEM MAINTENANCE AND TROUBLE SHOOTING. A RELATED DOCUMENT AVAILABLE IN THIS ISSUE IS VT 012 513. (GB)

VT 012 513
INGVALSON, BRIAN
RESOURCE UNIT, TRACTOR HYDRAULICS FOR VOCATIONAL AGRICULTURE.

MINNESOTA UNIV., ST. PAUL.
MINNESOTA RESEARCH COORDINATING UNIT IN OCCUPATIONAL EDUCATION, MINNEAPOLIS.
PUB DATE - ND 17P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; *HYDRAULICS; *TRACTORS; EDUCATIONAL OBJECTIVES; INSTRUCTIONAL AIDS; BIBLIOGRAPHIC CITATIONS; AGRICULTURAL MACHINERY; AGRICULTURAL ENGINEERING; UNITS OF STUDY (SUBJECT FIELDS); RESOURCE GUIDES

ABSTRACT - THIS RESOURCE UNIT ON TRACTOR HYDRAULICS FOR VOCATIONAL AGRICULTURE WAS PREPARED BY A VOCATIONAL AGRICULTURE INSTRUCTOR IN COOPERATION WITH THE MINNESOTA RESEARCH COORDINATING UNIT AND STAFF MEMBERS AT THE UNIVERSITY OF MINNESOTA. THE TOPICS ARE: (1) INTRODUCTION, (2) SUGGESTIONS TO THE INSTRUCTOR, (3) UNIT OBJECTIVES, (4) REFERENCES AND VISUAL AIDS, AND (5) ANSWERS TO LESSONS IN THE STUDENT WORKBOOK. SLIDES, FILMS, AND CHARTS CAN BE OBTAINED TO INTRODUCE THE TOPIC, EXPLAIN BASIC PRINCIPLES, AND DEPICT APPLICATIONS OF FLUID POWER. "TRACTOR HYDRAULICS" BY THE AMERICAN ASSOCIATION FOR VOCATIONAL INSTRUCTIONAL MATERIALS IS A REQUIRED TEXT, AND A STUDENT WORKBOOK FOR USE WITH THIS UNIT IS AVAILABLE IN THIS ISSUE AS VT 012 512. (GB)

VT 012 537
JENSEN, L.A.; LUND, H. ROALD
HOW CEREAL CROPS GROW.

NORTH DAKOTA STATE UNIV., FARGO. COOPERATIVE EXTENSION SERVICE.
EXTENSION BULL-3
NORTH DAKOTA VOCATIONAL AGRICULTURE ASSOCIATION, MORRILL HALL, NORTH DAKOTA STATE UNIVERSITY, FARGO, NORTH DAKOTA 58102 ($.75).
PUB DATE - FEB71 40P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *MANUALS; *SUPPLEMENTARY TEXTBOOKS; *PLANT GROWTH; PLANT SCIENCE; FIELD CROPS; *GRAINS (FOOD); AGRONOMY; AGRICULTURAL PRODUCTION; GLOSSARIES; ILLUSTRATIONS

ABSTRACT - INTENDED FOR EXTENSION AGENTS AND OTHER AGRICULTURAL PERSONS, THIS MANUAL ON PLANT GROWTH OF CEREAL CROPS WAS PREPARED BY STAFF MEMBERS OF NORTH DAKOTA STATE UNIVERSITY. SECTIONS ARE: (1) CEREAL CROP DEVELOPMENT, (2) SPECIFIC CROP PRODUCTION ITEMS, (3) INDIVIDUAL CROPS, (4) SUPPLEMENTAL INFORMATION, AND (5) GLOSSARY. NUMEROUS ILLUSTRATIONS ARE PRESENTED FOR EXPLANATIONS. (GB)

VT 012 546
BEEMAN, CARL E.; CALDWELL, ROBERT E.
BASIC PRINCIPLES OF SOIL SCIENCE. A REFERENCE UNIT FOR TEACHING BASIC PRINCIPLES OF SOIL SCIENCE IN VOCATIONAL AGRICULTURE IN FLORIDA.

FLORIDA UNIV., GAINESVILLE. AGRICULTURAL AND EXTENSION EDUCATION SECTION.
FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. AGRICULTURAL EDUCATION SECTION
PUB DATE - 70 66P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *SUPPLEMENTARY TEXTBOOKS; *VOCATIONAL AGRICULTURE; *SOIL SCIENCE; AGRONOMY; FERTILIZERS; LAND USE; SOIL CONSERVATION; AGRICULTURE

ABSTRACT - INTENDED FOR USE IN TEACHING BASIC PRINCIPLES OF SOIL SCIENCE IN VOCATIONAL AGRICULTURE, THIS REFERENCE UNIT WAS PREPARED BY STAFF MEMBERS OF THE UNIVERSITY OF FLORIDA. CONTENTS ARE: (1) THE NATURE AND IMPORTANCE OF THE SOIL, (2) SOIL CLASSIFICATION AND IDENTIFICATION, (3) DEVELOPMENT (FORMATION) OF SOILS, (4) SOIL COMPONENTS AND FERTILITY RELATIONSHIPS, (5) SOIL PRODUCTIVITY, (6) SOIL PH, (7) PLANT NUTRIENTS IN THE SOIL, (8) COMMERCIAL FERTILIZERS, (9) PRINCIPLES OF SOIL EROSION, AND (10) PRINCIPLES OF AGRICULTURAL DRAINAGE. TEACHERS ARE URGED TO SUPPLEMENT THIS REFERENCE WITH ADDITIONAL BASIC PRINCIPLES AND INSTRUCTIONAL AIDS. (GB)

VT 012 582
CURRICULUM GUIDE FOR CONSTRUCTING COURSES IN VOCATIONAL AGRICULTURE FOR FLORIDA SCHOOLS.

FLORIDA UNIV., GAINESVILLE. DEPT. OF AGRICULTURAL AND EXTENSION EDUCATION.
FLORIDA STATE DEPT. OF EDUCATION, TALLAHASSEE. DIV. OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION.
AGRICULTURE AND EXTENSION EDUCATION DEPT., 186 NORMAN HALL, UNIVERSITY OF FLORIDA, GAINESVILLE, FLORIDA 32601 (SINGLE COPIES TO HEAD STATE SUPERVISORS ONLY).
PUB DATE - JUL66 170P.

DESCRIPTORS - *STATE CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *PROGRAM PLANNING; SECONDARY GRADES; BIBLIOGRAPHIC CITATIONS; *COURSE CONTENT; ANIMAL SCIENCE; PLANT SCIENCE; SOIL SCIENCE; AGRICULTURAL ENGINEERING; LEADERSHIP; OCCUPATIONAL CLUSTERS; *VOCATIONAL AGRICULTURE

ABSTRACT - THIS CURRICULUM GUIDE FOR CONSTRUCTING COURSES IN VOCATIONAL AGRICULTURE WAS DEVELOPED BY A GROUP OF FLORIDA TEACHERS OF VOCATIONAL AGRICULTURE WORKING WITH AGRICULTURAL AND EXTENSION EDUCATION DEPARTMENT OF THE UNIVERSITY OF FLORIDA AND THE FLORIDA STATE DEPARTMENT OF EDUCATION. THE CURRICULUM CONTENT IS DIVIDED INTO AGRICULTURE I AND II AND ADVANCED AGRICULTURE. CONTENTS FOR AGRICULTURE I AND II ARE: (1) ORIENTATION TO AGRICULTURE, (2) AGRICULTURAL MANAGEMENT, (3) ANIMAL SCIENCE, (4) PLANT SCIENCE, (5) SOIL SCIENCE, (6) AGRICULTURAL MECHANICS, AND (7) LEADERSHIP. CONTENTS FOR ADVANCED AGRICULTURE INCLUDE: (1) INDIVIDUAL MODULES FOR ALL STUDENTS, (2) INDIVIDUAL MODULES FOR ADVANCED AGRICULTURE, AND (3) OCCUPATIONAL CLUSTERS AND SUPPORTING MODULES. ALSO INCLUDED ARE PROGRAM OBJECTIVES, COURSE OBJECTIVES, REFERENCES BY UNITS, AND A POSSIBLE TEACHING CALENDAR. (GB)

VT 012 588
SELLAND, LARRY
INTRODUCTION TO AGRI-BUSINESS MANAGEMENT. RESOURCE UNIT FOR USE IN TEACHING ON AGRI-BUSINESS OPTION IN VOCATIONAL AGRICULTURE.

NORTH DAKOTA STATE UNIV., FARGO.
NORTH DAKOTA OFFICE OF THE STATE SUPERVISORS OF VOCATIONAL AGRICULTURE, BISMARCK.

NORTH DAKOTA VOCATIONAL AGRICULTURE ASSOCIATION, MORRILL HALL, NORTH DAKOTA STATE UNIVERSITY, FARGO, NORTH DAKOTA 58102 ($4.50).
PUB DATE - AUG69 76P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *RESOURCE UNITS; AGRICULTURE; BUSINESS; FARM MANAGEMENT; *AGRICULTURAL OCCUPATIONS; BIBLIOGRAPHIC CITATIONS

ABSTRACT - THIS RESOURCE UNIT FOR TEACHING AGRI-BUSINESS IN VOCATIONAL AGRICULTURE WAS INDIVIDUALLY AUTHORED THROUGH THE NORTH DAKOTA STATE UNIVERSITY AGRICULTURAL EDUCATION DEPARTMENT. UNITS ARE: (1) ECONOMIC FACTORS NECESSARY FOR SUCCESSFUL FARM AND AGRI-BUSINESS, (2) HOW BUSINESSES ARE ORGANIZED, (3) THE USE OF CREDIT FOR PRODUCTION AND MARKETING, (4) INSURANCE FOR THE FAMILY AND BUSINESS, (5) LEGAL PROBLEMS OF A FARM BUSINESS, (6) SOCIAL SECURITY AND THE FARM BUSINESS, (7) FEDERAL AND STATE INCOME TAX, (8) THE AGRICULTURAL BUSINESS WORLD OF WORK, (9) PREPARING FOR EMPLOYMENT IN AGRICULTURE BUSINESS, AND (10) HUMAN RELATIONS IN AGRICULTURE BUSINESS OCCUPATIONS. THE JOB UNITS ARE IN OUTLINE FORM WITH GUIDE QUESTIONS, REFERENCES, AND CLASS ACTIVITIES. A BIBLIOGRAPHY IS APPENDED. (GB)

VT 012 589
VANDEWALLE, VIRGIL
AN INTRODUCTION TO FARM MANAGEMENT PRINCIPLES. RESOURCE UNIT FOR USE IN TEACHING VOCATIONAL AGRICULTURE IV.

NORTH DAKOTA STATE UNIV., FARGO. VOCATIONAL AGRICULTURE ASSOCIATION.
NORTH DAKOTA OFFICE OF THE STATE SUPERVISORS OF VOCATIONAL AGRICULTURE, BISMARCK.
NORTH DAKOTA VOCATIONAL AGRICULTURE ASSOCIATION, MORRILL HALL, NORTH DAKOTA STATE UNIVERSITY, FARGO, NORTH DAKOTA 58102 ($6.50).
PUB DATE - JAN70 129P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *FARM MANAGEMENT; *RESOURCE UNITS; SECONDARY GRADES; BIBLIOGRAPHIC CITATIONS; EDUCATIONAL OBJECTIVES; INSTRUCTIONAL MATERIALS; *UNIT PLAN

ABSTRACT - THIS RESOURCE UNIT FOR USE IN TEACHING FARM MANAGEMENT IN VOCATIONAL AGRICULTURE WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE NORTH DAKOTA STATE UNIVERSITY AGRICULTURAL EDUCATION DEPARTMENT. INCLUDED ARE 16 JOB UNITS DEALING WITH THE VARIOUS PHASES OF FARM MANAGEMENT. THE JOB UNITS ARE IN OUTLINE FORM INCLUDING OBJECTIVES, GUIDE QUESTIONS, REFERENCES, TEACHING ACTIVITIES, AND RELATED INFORMATION. A BIBLIOGRAPHY IS APPENDED. (GB)

VT 012 594
SIEGFRIED, LARRY R.
SOURCE UNIT IN FORGING.

COLORADO STATE UNIV., FT. COLLINS. AGRICULTURAL EDUCATION SECTION.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 35P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *AGRICULTURAL ENGINEERING; *WELDING; BIBLIOGRAPHIC CITATIONS; METALS; INSTRUCTIONAL MATERIALS

ABSTRACT - TO HELP TEACHERS OF VOCATIONAL AGRICULTURE ANALYZE THE AREA OF FORGING AND TO ORGANIZE LESSON UNITS FOR INSTRUCTION, THIS UNIT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION. CONTENTS ARE: (1) GETTING ACQUAINTED WITH FORGE WORK, (2) IDENTIFYING DIFFERENT TYPES OF STEEL WITH THE SPARK TEST, (3) GETTING ACQUAINTED WITH EQUIPMENT AND TOOLS, (4) LIGHTING AND ADJUSTING A GAS FORGE, (5) GETTING ACQUAINTED WITH DIFFERENT METHODS OF HAND FORGING, (6) GETTING ACQUAINTED WITH VARIOUS METHODS OF HEAT TREATING STEEL, (7) HARDENING STEEL, (8) TEMPERING STEEL, (9) ANNEALING STEEL, (10) NORMALIZING STEEL, AND (11) CASE HARDENING STEEL. EACH SECTION CONTAINS OBJECTIVES AND SUGGESTIONS FOR TEACHING. A BIBLIOGRAPHY IS APPENDED. (GB)

VT 012 595
PRESTON, RONALD L.
SOURCE UNIT IN CONCRETE WORK.

COLORADO STATE UNIV., FT. COLLINS. AGRICULTURAL EDUCATION SECTION.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 54P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *PRESTRESSED CONCRETE; BUILDING MATERIALS; MASONRY; BIBLIOGRAPHIC CITATIONS; *AGRICULTURAL ENGINEERING; INSTRUCTIONAL MATERIALS

ABSTRACT - THIS UNIT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION TO AID TEACHERS OF VOCATIONAL AGRICULTURE IN ANALYZING AND ORGANIZING THE AREA OF CONCRETE. UNITS ARE: (1) UNDERSTANDING THE USE AND COMPOSITION OF CONCRETE, (2) SELECTING MATERIALS AND PRODUCTS, (3) ESTIMATING QUANTITIES OF MATERIALS REQUIRED FOR A JOB, (4) MIXING CONCRETE, (5) PLACING AND POURING CONCRETE, (6) FINISHING CONCRETE SURFACES, (7) CURING CONCRETE, (8) REINFORCING CONCRETE, (9) DRILLING HOLES IN CONCRETE, (10) BUILDING AND PREPARING WOOD FORMS, (11) TESTING AGGREGATE FOR IMPURITIES, (12) EMBEDDING BOLTS IN CONCRETE, (13) LAYING CONCRETE BLOCKS, AND (14) SPECIAL PROCESSES AND PRECAUTIONS. JOB OBJECTIVES, TEACHING SUGGESTIONS, AND FOLLOW-UP SUGGESTIONS ARE INCLUDED. (GB)

VT 012 596
BALL, TOM

SOURCE UNIT IN HOT AND COLD METAL WORK.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION SECTION.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES
AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 37P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *TEACHING GUIDES; *AGRICULTURAL ENGINEERING; UNITS OF STUDY (SUBJECT FIELDS); *METALS; MACHINE TOOLS; INSTRUCTIONAL MATERIALS; HAND TOOLS

ABSTRACT - THIS UNIT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION TO HELP TEACHERS OF VOCATIONAL AGRICULTURE ANALYZE THE AREA OF HOT AND COLD METAL WORK AND TO ORGANIZE LESSON UNITS FOR INSTRUCTION. UNITS ARE: (1) LIGHTING AND ADJUSTING A GAS FORGE, (2) BENDING METAL, (3) TEMPERING METAL, (4) HARDENING METALS, (5) ANNEALING METALS, (6) IDENTIFYING METALS, (7) RIVETING, (8) THREADING ROUND STOCK, (9) CUTTING WITH A HACK SAW, (10) DRILLING HOLES, (11) TAPPING A HOLD, AND (12) CUTTING WITH A COLD CHISEL. EACH UNIT CONTAINS OBJECTIVES, STEPS, PROCEDURES, SAFETY, AND KEYPOINTS. (GB)

VT 012 597
BALL, TOM
SOURCE UNIT IN TOOL FITTING.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION SECTION.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES
AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 28P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *AGRICULTURAL ENGINEERING; *HAND TOOLS; MACHINE TOOLS; METALS; INSTRUCTIONAL MATERIALS

ABSTRACT - THIS UNIT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION TO HELP TEACHERS OF VOCATIONAL AGRICULTURE ANALYZE THE AREA OF TOOL FITTING AND TO ORGANIZE INSTRUCTION. UNITS ARE: (1) TRUING GRINDING WHEELS, (2) SHARPENING COLD CHISELS, (3) SHARPENING WOOD CHISELS AND PLANE BLADES, (4) SHARPENING WOOD AUGER BITS, (5) SHARPENING SCREWDRIVERS, (6) SHARPENING TWIST DRILLS, (7) SHARPENING SHOVELS AND HOES, (8) SHARPENING AXES, HATCHETS, AND PICKS, (9) FITTING A HAMMER HANDLE, AND (10) FITTING HANDLES IN HOES, RAKES, SHOVELS, AND FORKS. INCLUDED ARE OBJECTIVES, TEACHING SUGGESTIONS, FOLLOW-UP SUGGESTIONS, SAFETY, AND KEY POINTS. (GB)

VT 012 598
BALL, TOM
SOURCE UNIT IN OXY-ACETYLENE WELDING.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION SECTION.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES
AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 59P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *AGRICULTURAL ENGINEERING; *VOCATIONAL AGRICULTURE; *WELDING; INSTRUCTIONAL MATERIALS; ILLUSTRATIONS; METALS

ABSTRACT - THIS UNIT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION TO HELP TEACHERS OF VOCATIONAL AGRICULTURE ANALYZE THE AREA OF OXY-ACETYLENE WELDING AND TO ORGANIZE LESSON UNITS FOR INSTRUCTION. TOPICS ARE: (1) SETTING UP EQUIPMENT AND LIGHTING THE TORCH, (2) SHUTTING OFF EQUIPMENT, (3) RECOGNIZING TYPES OF FLAME, (4) CLEANING TIPS, (5) CHANGING CYLINDERS, (6) RUNNING VARIOUS BEADS, (7) MAKING VARIOUS WELDS, (8) BRAZING, (9) CUTTING, AND (10) HARD SURFACING. INCLUDED ARE OBJECTIVES, TEACHING SUGGESTIONS, PREPARATION ACTIVITIES, AND FOLLOW-UP ACTIVITIES. (GB)

VT 012 599
BALL, TOM
SOURCE UNIT IN ARC WELDING.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION SECTION.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES
AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 63P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT FIELDS); *VOCATIONAL AGRICULTURE; *WELDING; *AGRICULTURAL ENGINEERING; ILLUSTRATIONS; METALS; INSTRUCTIONAL MATERIALS

ABSTRACT - THIS UNIT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION TO HELP TEACHERS OF VOCATIONAL AGRICULTURE ANALYZE THE AREA OF ARC WELDING AND TO ORGANIZE INSTRUCTION. TOPICS ARE: (1) SELECTING A WELDER AND ACCESSORIES, (2) SELECTING ELECTRODES, (3) STRIKING AN ARC, (4) RUNNING VARIOUS BEADS, (5) CONTROLLING DISTORTION, (6) MAKING VARIOUS WELDS, (7) BRAZING WITH THE CARBON ARC TORCH, (8) WELDING CAST IRON, (9) HARD SURFACING, AND (10) CUTTING WITH MILD STEEL ELECTRODES. INCLUDED ARE OBJECTIVES, TEACHING SUGGESTIONS, PROCEDURES, AND TIPS ON SAFETY AND KEY POINTS. (GB)

VT 012 600
BITTING, DONALD A.
SOURCE UNIT IN ESTABLISHING AND MAINTAINING LAWNS AND TURF.

COLORADO STATE UNIV., FT. COLLINS.
AGRICULTURAL EDUCATION DIV.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES
AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 42P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; UNITS OF STUDY (SUBJECT

FIELDS); *VOCATIONAL AGRICULTURE; *ORNAMENTAL HORTICULTURE; *TURF MANAGEMENT; PLANTING; BIBLIOGRAPHIC CITATIONS; INSTRUCTIONAL MATERIALS

ABSTRACT - TO HELP VOCATIONAL AGRICULTURE AND HORTICULTURE TEACHERS ANALYZE THE AREA OF ESTABLISHING AND MAINTAINING LAWNS AND TURF AND TO ORGANIZE FOR INSTRUCTION, THIS UNIT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION. CONTENTS ARE: (1) DETERMINING THE IMPORTANCE OF LAWNS AND TURF, (2) BECOMING FAMILIAR WITH COMMON TERMS USED IN ESTABLISHING AND MAINTAINING LAWNS AND TURF, (3) PLANNING THE LAWN SITE, (4) ROUGHGRADING AND DRAINING THE LAWN SITE, (5) LAWN SEED BED PREPARATION, (6) SELECTION OF GRASS SEED, (7) DETERMINING THE TIME FOR SEEDING LAWNS, (8) SEEDING AND MULCHING NEW LAWNS, (9) IRRIGATING NEW LAWNS, (10) LAWN MAINTENANCE ACTIVITIES, (11) WEED CONTROL IN LAWNS, (12) CONTROL OF INSECTS AND PESTS, (13) RECOGNIZING AND CONTROLLING DISEASES, AND (14) RENOVATING ESTABLISHED LAWNS. INCLUDED ARE OBJECTIVES, TEACHING SUGGESTIONS, STUDY GUIDES AND REFERENCES. (GB)

VT 012 601
REYNOLDS, ELDON R., COMP.
MISCELLANEOUS FARM AND RANCH BUDGET FIGURES.

COLORADO STATE UNIV., FT. COLLINS. AGRICULTURAL EDUCATION DIV.
COLORADO STATE BOARD FOR COMMUNITY COLLEGES AND OCCUPATIONAL EDUCATION, DENVER
PUB DATE - 70 25P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *RESOURCE UNITS; *FARM MANAGEMENT; FARM ACCOUNTS; AGRICULTURE; AGRICULTURAL PRODUCTION; *COSTS; AGRICULTURAL MACHINERY; LIVESTOCK; LABOR; *BUDGETING

ABSTRACT - TO PROVIDE VOCATIONAL AGRICULTURE TEACHERS WITH UP-DATED COSTS OF PRODUCTION FOR BUDGETING PURPOSES, THIS DOCUMENT WAS INDIVIDUALLY AUTHORED IN COOPERATION WITH THE COLORADO STATE UNIVERSITY DEPARTMENT OF VOCATIONAL EDUCATION. CONTENTS INCLUDE: (1) CROP PRODUCTION COSTS, (2) LIVESTOCK PRODUCTION COSTS, (3) FARM MACHINERY COSTS, AND (4) LABOR COSTS. NUMEROUS TABLES PRESENT THE DATA. (NOT RECOMMENDED FOR HARD COPY REPRODUCTION DUE TO MARGINAL LEGIBILITY OF ORIGINAL.) (GB)

VT 012 606
SOUTH CAROLINA VOCATIONAL AGRICULTURE RECORD BOOK. TEACHER'S GUIDE.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, S. C. 29631 ($1.00).
PUB DATE - 70 41P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *RECORDKEEPING; *TEACHING GUIDES; RECORDS (FORMS); *WORKBOOKS; FARM MANAGEMENT; SECONDARY GRADES; SUPERVISED FARM PRACTICE

ABSTRACT - INTENDED FOR VOCATIONAL AGRICULTURE CLASSES AS A TEACHER'S GUIDE, THIS STUDENT RECORD BOOK IS DESIGNED TO FURNISH A RECORD OF THE STUDENT'S SUPERVISED FARMING PROGRAM ON A CALENDAR YEAR BASIS OR TO BE USED AS A RECORD IN FARM PLACEMENT. INSTRUCTIONS APPEAR AT THE TOP OF THE PAGES TO GUIDE STUDENTS IN RECORDKEEPING. THE RECORDBOOK WAS DEVELOPED BY A TEACHER COMMITTEE FOR USE IN SECONDARY SCHOOLS AND AREA VOCATIONAL CENTERS. RELATED DOCUMENTS IN THIS ISSUE ARE VT 012 607 "KEEPING AGRICULTURE RECORDS," AND VT 012 608 "KEEPING AGRICULTURE RECORDS-TRANSPARENCIES." (GB)

VT 012 607
KEEPING AGRICULTURAL RECORDS. A UNIT OF INSTRUCTION FOR AGRICULTURE TEACHERS IN SOUTH CAROLINA.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE BOARD OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURAL SECTION
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, S.C. 29631 ($1.00).
PUB DATE - 70 44P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *RECORDKEEPING; *INSTRUCTIONAL MATERIALS; *UNITS OF STUDY (SUBJECT FIELDS); GRADE 9; COURSE CONTENT; FARM MANAGEMENT

ABSTRACT - INTENDED FOR FIRST YEAR VOCATIONAL AGRICULTURE STUDENTS, THIS INSTRUCTIONAL UNIT INCLUDES THE BASIC ELEMENTS OF KEEPING AND USING RECORDS IN AGRICULTURE OR IN ANY TYPE BUSINESS. DEVELOPED BY THE SOUTH CAROLINA DEPARTMENT OF EDUCATION IN COOPERATION WITH CLEMSON UNIVERSITY, THIS UNIT CONSISTS OF SIX LESSONS WHICH SHOULD PROVIDE INSTRUCTION FOR 3 TO 4 WEEKS. EACH LESSON CONSISTS OF: (1) SUBJECT OR PROBLEM, (2) OBJECTIVE, (3) ANALYSIS, (4) CONTENT, AND (5) CLASS ACTIVITIES. THE CLASS ACTIVITIES PART OF THE LESSON CONSISTS OF A FEW SUGGESTIONS FOR PROVIDING LEARNING EXPERIENCES FOR STUDENTS. RELATED DOCUMENTS IN THIS ISSUE ARE AVAILABLE AS VT 012 606 AND VT 012 608. (GB)

VT 012 608
KEEPING AGRICULTURAL RECORDS (TRANSPARENCIES).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, S.C. 29631 (SET OF TRANSPARENCIES, $3.00).
PUB DATE - 70 39P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *RECORDKEEPING; *TRANSPARENCIES; *FARM MANAGEMENT

ABSTRACT - THIS DOCUMENT CONSISTS OF 37 TRANSPARENCIES WHICH ARE INTENDED FOR USE

WITH THE UNIT OF INSTRUCTION TITLED "KEEPING AGRICULTURAL RECORDS" (VT 012 607). RELATED DOCUMENTS AVAILABLE IN THIS ISSUE ARE VT 012 606 AND VT 012 607. (GB)

VT 012 624
INSTRUCTIONAL MATERIALS FOR VOCATIONAL AGRICULTURE II.

TEXAS A AND M UNIV., COLLEGE STATION. AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER.
AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER, TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE STATION, TEXAS 77843.
PUB DATE - NC 592P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; INSTRUCTIONAL MATERIALS; *TEACHING GUIDES; *TRANSPARENCIES; ANIMAL SCIENCE; PLANT SCIENCE; AGRICULTURAL ENGINEERING; SECONDARY GRADES; SOIL SCIENCE

ABSTRACT - USING THE "BASIC CURRICULUM GUIDE FOR PRODUCTION AGRICULTURE" AS AN OUTLINE, THESE INSTRUCTIONAL MATERIALS FOR VOCATIONAL AGRICULTURE II WERE DEVELOPED BY VOCATIONAL AGRICULTURE TEACHERS WORKING AT THE AGRICULTURAL EDUCATION TEACHING MATERIALS CENTER OF TEXAS A AND M UNIVERSITY. AREAS ARE: (1) ANIMAL SCIENCE, (2) SOIL SCIENCE, (3) PLANT SCIENCE, AND (4) AGRICULTURAL MECHANICS. REFERENCES ARE LISTED IN MANY OF THE TOPICS FOR STUDENT AND TEACHER USE. THE ILLUSTRATIONS OR TRANSPARENCY MASTERS MAY BE USED TO PREPARE TRANSPARENCIES OR STUDENT COPIES OF ILLUSTRATIONS. HOWEVER, SOME 200 COLOR TRANSPARENCIES ARE AVAILABLE BY SUBJECT MATTER AREAS FROM THE TEACHING MATERIALS CENTER AT A COST OF 20 PER COLOR TRANSPARENCY. BIBLIOGRAPHIES ARE APPENDED. A RELATED DOCUMENT PREVIOUSLY PROCESSED IS AVAILABLE AS VT 010 459 (AIM SPRING 1971). (GB)

VT 012 629
ANIMAL NUTRITION; TEACHERS GUIDE.

MONTANA STATE UNIV., BOZEMAN. DEPT. OF AGRICULTURAL EDUCATION.
AGRICULTURAL EDUCATION DEPARTMENT, 313 LINFIELD HALL, MONTANA STATE UNIVERSITY, BOZEMAN, MONTANA 59715 ($1.25).
PUB DATE - 70 46P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *ANIMAL SCIENCE; *NUTRITION; AGRICULTURE

ABSTRACT - THIS TEACHING GUIDE ON ANIMAL NUTRITION WAS COMPILED BY AGRICULTURE EDUCATION INSTRUCTORS IN COOPERATION WITH THE DEPARTMENT OF AGRICULTURAL EDUCATION AT MONTANA STATE UNIVERSITY. TOPICS ARE: (1) INTRODUCTION TO ANIMAL NUTRITION, (2) HOW ANIMALS USE THEIR FEED, (3) HOW NUTRIENTS ARE SUPPLIED TO LIVESTOCK, AND (4) BALANCING THE RATION. THE GUIDE IS IN OUTLINE FORM WITH OBJECTIVES FOR EACH SECTION. (GB)

VT 012 637
AGRICULTURAL MECHANICS SAFETY (TRANSPARENCIES).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
870/70
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 ($5.00 PER SET OF TRANSPARENCIES).
PUB DATE - 70 32P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *AGRICULTURAL ENGINEERING; *TRANSPARENCIES; *AGRICULTURAL SAFETY; *SAFETY EDUCATION

ABSTRACT - THIS SET OF 61 TRANSPARENCY MASTERS IS INTENDED FOR USE WITH THE RELATED DOCUMENTS AVAILABLE IN THIS ISSUE AS VT 012 639, "AGRICULTURE SHOP SAFETY: TEACHER'S GUIDE" AND VT 012 638, "AGRICULTURE SHOP SAFETY: STUDENT MANUAL." (GB)

VT 012 638
AGRICULTURE SHOP SAFETY; STUDENT MANUAL.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURAL SECTION
870/70
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 ($1.00).
PUB DATE - 69 67P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *STUDY GUIDES; MANUALS; *AGRICULTURAL SAFETY; *SAFETY EDUCATION; *SCHOOL SHOPS; AGRICULTURAL ENGINEERING; ACCIDENT PREVENTION

ABSTRACT - THIS STUDENT REFERENCE MANUAL ON AGRICULTURAL MECHANICS SHOP SAFETY WAS PREPARED BY THE SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION AND THE CLEMSON UNIVERSITY AGRICULTURAL EDUCATION DEPARTMENT. ILLUSTRATED TOPICS ARE: (1) PROTECTIVE CLOTHING EQUIPMENT, (2) COLOR CODING FOR SAFETY, (3) FIRE SAFETY AND FIRE EXTINGUISHERS, (4) ELECTRICAL SAFETY, (5) LIFTING HEAVY WEIGHTS, (6) FIRST AID, (7) HAND TOOL SAFETY, AND (9) POWER TOOL SAFETY. RELATED DOCUMENTS AVAILABLE IN THIS ISSUE ARE VT 012 639, TEACHER'S GUIDE, AND VT 012 637, TRANSPARENCIES. (GB)

VT 012 639
AGRICULTURE SHOP SAFETY; TEACHER'S GUIDE.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. VOCATIONAL AGRICULTURAL SECTION
870/70
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 ($1.00).
PUB DATE - 69 49P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *TEACHING GUIDES; *AGRICULTURAL SAFETY; *SCHOOL SHOPS; DEMONSTRATIONS (EDUCATIONAL); FILMS; FILMSTRIPS; ACCIDENT PREVENTION;

BIBLIOGRAPHIC CITATIONS; *SAFETY EDUCATION

ABSTRACT - THIS TEACHING GUIDE ON AGRICULTURAL SHOP SAFETY IS ONE OF A 3-PART UNIT FOR TEACHING SHOP AND TOOL SAFETY PREPARED BY THE SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION AND CLEMSON UNIVERSITY AGRICULTURAL EDUCATION DEPARTMENT. DESIGNED TO SUPPLEMENT THE STUDENT MANUAL, THIS GUIDE AND REFERENCE MANUAL CONTAINS SUGGESTED DEMONSTRATIONS, GENERAL SAFETY MATERIALS, AND SAFETY TEST QUESTIONS AND ANSWERS. APPENDED ARE SUGGESTED REFERENCE BOOKS, THE SOUTH CAROLINA EYE PROTECTION LAW, AND A LIST OF AVAILABLE FILMS AND FILMSTRIPS. RELATED DOCUMENTS AVAILABLE IN THIS ISSUE ARE THE STUDENT MANUAL, VT 012 638, AND TRANSPARENCY MASTERS, VT 012 637. (GB)

VT 012 645
LANDSCAPING THE HOME AND SCHOOL GROUNDS.

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 ($1.25)
PUB DATE - 70 88P.

DESCRIPTORS - *CURRICULUM GUIDES; *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; *LANDSCAPING; *ORNAMENTAL HORTICULTURE; GROUNDS KEEPERS; PLANT SCIENCE; SECONDARY GRADES; AGRICULTURAL EDUCATION

ABSTRACT - PREPARED BY AGRICULTURE TEACHERS AND VOCATIONAL EDUCATION MEDIA CENTER PERSONNEL, THIS GUIDE IS FOR TEACHER AND STUDENT USE IN HIGH SCHOOL OR VOCATIONAL EDUCATION CENTER HORTICULTURE CLASSES STUDYING LANDSCAPING. CONTENTS CONSIST OF FIVE SECTIONS, COVERING: (1) PLANNING FOR LANDSCAPE IMPROVEMENT, (2) PLANT PROPAGATION, (3) ESTABLISHING SHRUBS, (4) MAINTAINING SHRUBS, AND (5) ESTABLISHMENT AND MAINTENANCE OF LAWNS. THE GUIDE IS ILLUSTRATED WITH NUMEROUS DRAWINGS, PHOTOGRAPHS, FIGURES, AND TABLES. SELECTED REFERENCES ARE ALSO INCLUDED. A SET OF TRANSPARENCIES FOR USE WITH THIS GUIDE IS AVAILABLE AS VT 012 646 (ALSO IN THIS ISSUE). (AW)

VT 012 646
LANDSCAPING THE HOME AND SCHOOL GROUNDS (TRANSPARENCIES).

CLEMSON UNIV., S.C. VOCATIONAL EDUCATION MEDIA CENTER.
SOUTH CAROLINA STATE DEPT. OF EDUCATION, COLUMBIA. OFFICE OF VOCATIONAL EDUCATION
VOCATIONAL EDUCATION MEDIA CENTER, CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA 29631 ($5.00 PER SET OF TRANSPARENCIES).
PUB DATE - 70 43P.

DESCRIPTORS - *TRANSPARENCIES; *VOCATIONAL AGRICULTURE; *INSTRUCTIONAL AIDS; *LANDSCAPING; PLANT SCIENCE; *AGRICULTURAL PRODUCTION; ORNAMENTAL HORTICULTURE; SECONDARY GRADES; GROUNDS KEEPERS; AGRICULTURAL EDUCATION

ABSTRACT - INSTRUCTIONAL AIDS PRODUCED FROM THESE 40 TRANSPARENCY MASTERS MAY BE USED FOR TEACHING OR STUDENT REFERENCE IN HIGH SCHOOL OR AREA VOCATIONAL CENTER CLASSES STUDYING PRODUCTION AGRICULTURE AND LANDSCAPING. TRANSPARENCIES INCLUDE: (1) HOMESTEAD MAPS, (2) SKETCHES BEFORE AND AFTER LANDSCAPING, (3) VARIOUS TYPES OF PLANTING, (4) ROCK GARDENS, (5) SEVERAL LANDSCAPE PLANS, WITH OVERLAYS, (6) TYPES OF LAYERING, (7) GRAFTS, (8) COLD FRAMES, (9) VARIOUS TYPES OF HOT BEDS, (10) STEPS IN PLANTING SHRUBS, (11) PRUNING, (12) FERTILIZING, (13) LAWN GRADING, (14) SUBSOIL PLACEMENT, AND (15) SOWING GRASS SEED. THE MASTERS ARE INTENDED FOR USE WITH THE PUBLICATION OF THE SAME TITLE, AVAILABLE AS VT 012 645 (ALSO IN THIS ISSUE). (AW)

VT 012 672
NEW YORK F.F.A. LEADERSHIP TRAINING MANUAL.

NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF SECONDARY CURRICULUM DEVELOPMENT.
THE PUBLICATIONS DISTRIBUTION UNIT, STATE EDUCATION DEPARTMENT, ALBANY, NEW YORK 12224 (SINGLE COPIES, $1.00).
PUB DATE - 68 153P.

DESCRIPTORS - *LEADERSHIP TRAINING; *MANUALS; *VOCATIONAL AGRICULTURE; SECONDARY SCHOOLS; SUPPLEMENTARY READING MATERIALS
IDENTIFIERS - *FUTURE FARMERS OF AMERICA; FFA; NEW YORK

ABSTRACT - THIS LEADERSHIP TRAINING MANUAL IS DESIGNED TO SUPPLEMENT THE OFFICIAL MANUAL OF THE FUTURE FARMERS OF AMERICA (FFA) IN PROVIDING FFA MEMBERS WITH INFORMATION TO ASSIST IN PLANNING AND IMPLEMENTING AN EFFECTIVE FFA PROGRAM. BASED ON THE EXPERIENCES OF THE NEW YORK FFA CHAPTERS, THE MANUAL INCLUDES FIVE SECTIONS: (1) THE STATE ASSOCIATION, (2) THE LOCAL CHAPTER, (3) GROUP FFA ACTIVITIES, (4) OSWEGATCHIE CAMP, AND (5) CONTESTS AND AWARDS. COPIES OF VARIOUS FORMS AND APPLICATION BLANKS ARE APPENDED. (BH)

VT 012 681
COURSE OUTLINE FOR EXPLORING THE WORLD OF WORK (EIGHTH GRADE).

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE.
VOCATIONAL AGRICULTURAL EDUCATION, FIELD OFFICE, 101 PETRIE HALL, AUBURN, ALABAMA 36830 (AVAILABLE FREE TO STATE SUPERVISORS AND HEAD TEACHER EDUCATORS ONLY).
PUB DATE - 70 31P.

DESCRIPTORS - *TEACHING GUIDES; *VOCATIONAL AGRICULTURE; *INDUSTRIAL ARTS; *OCCUPATIONAL INFORMATION; CURRICULUM GUIDES; AGRICULTURAL EDUCATION; COURSE CONTENT; GRADE 8; UNITS OF STUDY (SUBJECT FIELDS); OCCUPATIONAL CHOICE; UNIT PLAN
IDENTIFIERS - *OCCUPATIONAL EXPLORATION

ABSTRACT - THIS UNIT OUTLINE, WHICH WAS PREPARED BY THE ALABAMA STATE DEPARTMENT OF EDUCATION FOR EIGHTH GRADE STUDENTS, COVERS THE WORK OPPORTUNITIES AND REQUIREMENTS IN ELEMENTARY AGRIBUSINESS SCIENCE AND INDUSTRY.

THE 23 UNITS, PRESENTED FOR EACH MONTH OF THE SCHOOL YEAR, PROVIDE FOR LABORATORY EXPERIENCES IN OCCUPATIONAL ARTS AND CRAFTS, INCLUDING THE IDENTIFICATION, USE, AND CARE OF HAND TOOLS, HARDWARE, WOODS, LEATHER, METALS AND OTHER MATERIALS. EACH UNIT CONSISTS OF A CONTENT OUTLINE, SUGGESTED ACTIVITIES, AND REFERENCES. APPENDED ARE AUDIO-VISUAL AIDS, A BIBLIOGRAPHY, AND AN OCCUPATIONAL KIT. (EM)

VT 012 682
COURSE OUTLINE FOR VOCATIONAL ORIENTATION (NINTH GRADE).

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE.
VOCATIONAL AGRICULTURAL EDUCATION, FIELD OFFICE, 101 PETRIE HALL, AUBURN, ALABAMA 36830 (AVAILABLE FREE TO STATE SUPERVISORS AND HEAD TEACHER EDUCATORS ONLY).
PUB DATE - 69 31P.

DESCRIPTORS - *TEACHING GUIDES; *CURRICULUM GUIDES; *AGRICULTURAL EDUCATION; *INDUSTRIAL ARTS; VOCATIONAL EDUCATION; GRADE 9; COURSE CONTENT; *OCCUPATIONAL INFORMATION; BIBLIOGRAPHIES
IDENTIFIERS - *AGRIBUSINESS

ABSTRACT - PREPARED FOR AN ORIENTATION OF 9TH GRADE STUDENTS INTERESTED IN AGRIBUSINESS, THIS COURSE OUTLINE WAS DEVELOPED BY THE AGRICULTURE EDUCATION SERVICE OF A STATE DEPARTMENT OF EDUCATION. THE OUTLINE CONTAINS UNITS OF INSTRUCTION KEYED TO EACH MONTH OF THE SCHOOL YEAR, AND EACH UNIT INCLUDES AN INTRODUCTION, REFERENCE LIST, SUGGESTED LEARNING ACTIVITIES, AND A PROVISION FOR ADDITIONAL TEACHER COMMENTS. THE UNITS ARE ALSO KEYED TO OCCUPATIONAL OBJECTIVES IN AGRIBUSINESS AND BASIC TRADES. (LM)

VT 012 686
GENERAL SHOP GUIDE FOR VO-AG STUDENTS. REVISED EDITION.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE.
VOCATIONAL AGRICULTURAL EDUCATION, FIELD OFFICE, 101 PETRIE HALL, AUBURN, ALABAMA 36830 (AVAILABLE IN LIMITED SUPPLY FOR $1.00).
PUB DATE - NOV69 182P.

DESCRIPTORS - *VOCATIONAL AGRICULTURE; *AGRICULTURAL EDUCATION; *TEACHING GUIDES; STUDY GUIDES; WORKBOOKS; VOCATIONAL EDUCATION; SECONDARY EDUCATION; *SCHOOL SHOPS; *INDUSTRIAL ARTS

ABSTRACT - DESIGNED TO ASSIST TEACHERS AND STUDENTS OF VOCATIONAL AGRICULTURE TO BEST USE THE TIME ALLOTTED FOR GENERAL SHOP, THIS TEACHING GUIDE WAS PREPARED BY THE AGRICULTURAL EDUCATION SERVICE OF THE ALABAMA STATE DEPARTMENT OF EDUCATION. UNITS ARE: (1) SHOP MANAGEMENT AND SAFETY, (2) HAND TOOL IDENTIFICATION, (3) USE AND CARE OF HAND TOOLS, (4) POWER TOOL STUDY, (5) SKETCHING AND DRAWING, (6) IDENTIFICATION: WOOD JOINT AND HARDWARE, (7) CARPENTRY AND WOODWORKING, (8) PAINTING, VARNISHING, AND GLAZING, AND (9) INTRODUCTION TO ELECTRIFICATION, SHEET METAL AND SOLDERING, ARC WELDING, PLUMBING, CONCRETE WORK, AND MECHANICS. EACH ILLUSTRATED UNIT OF INSTRUCTION INCLUDES AN INTRODUCTION, THE MAIN POINTS STUDENTS SHOULD LEARN, A LIST OF EXERCISES FOR STUDENTS TO PERFORM, A STEP BY STEP PROCEDURE FOR EACH EXERCISE, AND A SERIES OF REVIEW QUESTIONS. (LM)

VT 012 697
ADVANCED SHOP GUIDE FOR VO-AG STUDENTS.

ALABAMA STATE DEPT. OF EDUCATION, MONTGOMERY. AGRICULTURAL EDUCATION SERVICE.
VOCATIONAL AGRICULTURAL EDUCATION, FIELD OFFICE, 101 PETRIE HALL, AUBURN, ALABAMA 36830 (AVAILABLE IN LIMITED SUPPLY FOR $1.00).
PUB DATE - ND 194P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; VOCATIONAL EDUCATION; SECONDARY EDUCATION; *WORKBOOKS; STUDY GUIDES; *TEACHING GUIDES; CURRICULUM GUIDES; SCHOOL SHOPS; *FARM MECHANICS (OCCUPATION)

ABSTRACT - THIS TEACHING GUIDE, PREPARED BY THE AGRICULTURAL EDUCATION SERVICE OF THE ALABAMA STATE DEPARTMENT OF EDUCATION, IS DESIGNED FOR USE AS BOTH A REFERENCE FOR THE TEACHER OF VOCATIONAL AGRICULTURAL MECHANICS AND A WORKBOOK FOR THE HIGH SCHOOL STUDENT ENROLLED IN ADVANCED AGRICULTURAL MECHANICS. UNITS ARE: (1) ARC WELDING, (2) SIMPLE FARM PLUMBING, (3) SMALL GASOLINE ENGINES, (4) POWER WOOD WORKING TOOLS, (5) FARM ELECTRICITY, (6) ACETYLENE WELDING, (7) PAINTING FARM MACHINERY, AND (8) HOT AND COLD METAL WORK. EACH ILLUSTRATED UNIT CONTAINS AN INTRODUCTION, A LIST OF OBJECTIVES, MATERIALS AND EQUIPMENT NEEDED, AND SUGGESTED EXERCISES FOR STUDENTS ALONG WITH RELATED REFERENCE MATERIAL. (LM)

VT 012 736
LEE, JASPER S.
CATFISH FARMING; A REFERENCE UNIT.

MISSISSIPPI STATE UNIV., STATE COLLEGE. CURRICULUM COORDINATING UNIT FOR VOCATIONAL-TECHNICAL EDUCATION.
MISSISSIPPI STATE DEPT. OF EDUCATION, JACKSON. DIV. OF VOCATIONAL AND TECHNICAL EDUCATION.
PUB DATE - 71 112P.

DESCRIPTORS - *RESOURCE MATERIALS; *REFERENCE MATERIALS; *VOCATIONAL AGRICULTURE; AGRICULTURAL EDUCATION; *AGRICULTURAL PRODUCTION; *AGRICULTURAL OCCUPATIONS; SECONDARY GRADES
IDENTIFIERS - *CATFISH FARMING

ABSTRACT - THIS REFERENCE IS DESIGNED PRIMARILY TO ASSIST VOCATIONAL AGRICULTURE TEACHERS IN PRESENTING A UNIT ON CATFISH FARMING AS AN AGRICULTURAL OCCUPATION. WRITTEN SO THAT A KNOWLEDGE OF FISHERY BIOLOGY WILL NOT BE REQUIRED IN ORDER TO UNDERSTAND THE TERMINOLOGY, THE UNIT PROVIDES GENERAL INFORMATION ON CATFISH FARMING AND

COVERS 11 SPECIFIC ASPECTS OF THE CATFISH FARMING INDUSTRY, INCLUDING: (1) DETERMINING THE POSSIBILITIES OF CATFISH FARMING, (2) CONSTRUCTING PONDS AND OTHER WATER FACILITIES, (3) PRODUCING FINGERLINGS, (4) GROWING FOOD CATFISH, (5) FEEDING FOOD FISH, (6) MANAGING THE WATER, (7) CONTROLLING DISEASES AND PARASITES, (8) CONTROLLING PREDATORS, TRASH FISH, AND OTHER PESTS, (9) HARVESTING AND HAULING, (10) MARKETING, AND (11) PROCESSING. THE PUBLICATION IS ILLUSTRATED WITH NUMEROUS PHOTOGRAPHS AND DRAWINGS, AND A SELECTED BIBLIOGRAPHY OF RELATED MATERIAL IS PROVIDED. (AW)

VT 012 776
VICE, BILLY J.
AGRICULTURAL MECHANICS. UNIT: AGRICULTURAL WEIGHTS AND MEASUREMENTS.

KENTUCKY UNIV., LEXINGTON. DEPT. OF VOCATIONAL EDUCATION.
HS 52
INSTRUCTIONAL MATERIALS LABORATORY, ROOM 151, TAYLOR EDUCATION BUILDING, UNIVERSITY OF KENTUCKY, LEXINGTON 40506 (ONE COPY FREE ON REQUEST FOR STATE DIRECTORS OF AGRICULTURAL EDUCATION).
PUB DATE - DEC69 15P.

DESCRIPTORS - *UNITS OF STUDY (SUBJECT FIELDS); *AGRICULTURAL EDUCATION; SKILLS; *CALCULATION; MEASUREMENT; SLOW LEARNERS

ABSTRACT - THIS UNIT OF STUDY, DESIGNED FOR STUDENTS LACKING SATISFACTORY COMPUTATIONAL AND QUANTIFICATION SKILLS, WAS PREPARED BY THE DEPARTMENT OF VOCATIONAL EDUCATION, UNIVERSITY OF KENTUCKY. TO DEVELOP ABILITY TO MEASURE, WEIGH, AND CALCULATE AGRICULTURAL UNITS, THE UNIT IS ORGANIZED INTO THESE COMPETENCY AREAS: (1) DETERMINING LENGTH, (2) CALCULATING AREA, (3) DETERMINING WEIGHT, (4) CALCULATING VOLUME, AND (5) CALCULATING CUBIC AREA. EACH COMPETENCY AREA CONTAINS A SUGGESTED TEACHING OUTLINE, LEARNING ACTIVITIES, REFERENCES AND INSTRUCTIONAL MATERIALS. A BIBLIOGRAPHY IS INCLUDED. (EM)

VT 012 777
COLLINS, WILSON GLENN
FARM ANIMALS. UNIT: BEEF PRODUCTION.

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
HS 45
INSTRUCTIONAL MATERIALS LABORATORY, ROOM 151, TAYLOR EDUCATION BUILDING, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY 40506 (ONE COPY FREE ON REQUEST FOR STATE DIRECTORS OF AGRICULTURAL EDUCATION).
PUB DATE - JUN70 63P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; UNIT PLAN; VOCATIONAL AGRICULTURE; *AGRICULTURAL PRODUCTION; *ANIMAL SCIENCE; TRANSPARENCIES; *LIVESTOCK; *UNITS OF STUDY (SUBJECT FIELDS); LEARNING ACTIVITIES

ABSTRACT - DEVELOPED BY THE INSTRUCTIONAL MATERIALS LABORATORY AT THE UNIVERSITY OF KENTUCKY, THIS TEACHING UNIT IS DESIGNED TO ASSIST AGRICULTURE INSTRUCTORS IN PLANNING AND TEACHING COMPETENCIES IN BEEF PRODUCTION. CONTENTS INCLUDE: (1) OPPORTUNITIES IN BEEF PRODUCTION, (2) KIND OF BEEF PRODUCTION, (3) SELECTING, (4) FEEDING, (5) CASTRATION AND DEHORNING, (6) INTERNAL AND EXTERNAL PARASITES, (7) COMMON DISEASES, AND (8) MARKETING. REFERENCES, INSTRUCTIONAL MATERIALS, AND TEACHING ACTIVITIES ARE SUGGESTED FOR THE UNIT LESSONS. APPENDED ARE 16 OVERHEAD TRANSPARENCY MASTERS. (AS)

VT 012 781
COLLINS, WILSON GLENN
UNIT (MODULE): AGRICULTURAL BUSINESS IN THE AMERICAN ECONOMIC SYSTEM.

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
HS 76
INSTRUCTIONAL MATERIALS LABORATORY, ROOM 151, TAYLOR EDUCATION BUILDING, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY 40506 (ONE COPY FREE ON REQUEST FOR STATE DIRECTORS OF AGRICULTURAL EDUCATION).
PUB DATE - NOV69 26P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *RURAL ECONOMICS; UNIT PLAN; SECONDARY GRADES; TRANSPARENCIES; MARKETING; *UNITS OF STUDY (SUBJECT FIELDS); *BUSINESS; FARM MANAGEMENT; *COOPERATIVES

ABSTRACT - INDIVIDUALLY AUTHORED IN COOPERATION WITH THE UNIVERSITY OF KENTUCKY, DEPARTMENT OF VOCATIONAL EDUCATION, THIS UNIT IS FOR TEACHER USE IN PLANNING AND TEACHING A 10-12 DAY UNIT FOR GRADE 11 OR 12, WHICH IS CONCERNED WITH AGRICULTURAL BUSINESS IN MARKETING, PURCHASING, AND USING AGRICULTURAL GOODS AND SERVICES. DESIGNED TO BE THE MAJOR TOOL FOR TEACHING ECONOMICS WHERE PRODUCTION AGRICULTURE IS LIMITED OR WHERE FARM MANAGEMENT IS NOT TAUGHT, THE UNIT IS ORGANIZED INTO EIGHT COMPETENCY AREAS. SUGGESTED REFERENCES, INSTRUCTIONAL MATERIALS, AND TEACHING-LEARNING ACTIVITIES ARE INCLUDED AS WELL AS NINE TRANSPARENCY MASTERS KEYED TO THE COMPETENCY AREAS. (RR)

VT 012 791
WESTON, CURTIS R., AND OTHERS
INTERNAL COMBUSTION ENGINES.

MISSOURI UNIV., COLUMBIA. INSTRUCTIONAL MATERIALS LAB.
MISSOURI STATE DEPT. OF EDUCATION, JEFFERSON CITY. VOCATIONAL EDUCATION DIV.
INDUSTRIAL EDUCATION, ROOM 8, INDUSTRIAL EDUCATION BUILDING, UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI 65201 ($2.50 PLUS POSTAGE AND HANDLING).
PUB DATE - APR70 109P.

DESCRIPTORS - *TEACHING GUIDES; *STUDY GUIDES; *AGRICULTURAL EDUCATION; CURRICULUM GUIDES; TRADE AND INDUSTRIAL EDUCATION; *ENGINES; SECONDARY GRADES; HAND TOOLS; POWER MECHANICS; *MECHANICS (PROCESS)

ABSTRACT - ISSUED BY THE INSTRUCTIONAL MATERIALS LABORATORY OF THE DEPARTMENT OF PRACTICAL ARTS AND VOCATIONAL-TECHNICAL EDUCATION OF THE UNIVERSITY OF MISSOURI IN

COOPERATION WITH THE VOCATIONAL EDUCATION DIVISION OF THE STATE OF MISSOURI, THIS TEACHING GUIDE IS FOR INSTRUCTOR AND STUDENT USE IN VOCATIONAL AGRICULTURE CLASSES. THE MATERIAL IS DESIGNED FOR USE OVER ONE SEMESTER (90 DAYS), AND IS THE BASIC COURSE FOR A LATER SERIES DEALING WITH TRACTORS AND MACHINERY. THE CONTENTS ARE DIVIDED INTO 15 UNITS, WITH EACH UNIT CONTAINING SEVERAL PROBLEM SHEETS. MOST SHEETS CONTAIN THE STATED PROBLEM AREA, THE SPECIFIC PROBLEM, THE JOB TITLE, STUDY QUESTIONS, A SUMMARY OF THE INFORMATION, TEACHING SUGGESTIONS, AND REFERENCES. A LIST OF SUGGESTED PRIME REFERENCES, A LIST OF SUPPLEMENTAL REFERENCES, A TOOL LIST, AND ADDRESSES OF SEVERAL COMPANIES ARE INCLUDED. (GEB)

VT 012 812 ED 048 493
A DESCRIPTION AND SOURCE LISTING OF CURRICULUM MATERIALS IN AGRICULTURAL EDUCATION, 1970-1971.

AMERICAN VOCATIONAL ASSOCIATION, WASHINGTON, D.C. CURRICULUM MATERIALS COMMITTEE.
VOCATIONAL AGRICULTURE SERVICE, 434 MUMFORD HALL, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 61801.
PUB DATE - ND 34P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *ANNOTATED BIBLIOGRAPHIES; *INSTRUCTIONAL MATERIALS; *INFORMATION SOURCES; *RESOURCE MATERIALS; AGRICULTURAL ENGINEERING; ANIMAL SCIENCE; AGRONOMY; FIELD CROPS; HORTICULTURE; FORESTRY; AGRICULTURAL OCCUPATIONS; PESTICIDES; SOIL SCIENCE; DISEASES; FARM MANAGEMENT

ABSTRACT - TO PROVIDE TEACHERS OF VOCATIONAL AGRICULTURE, AGRICULTURAL SUPERVISORS, AND AGRICULTURAL TEACHER EDUCATORS WITH INFORMATION ON CURRENT CURRICULUM MATERIALS AVAILABLE TO THEM, THIS ANNOTATED BIBLIOGRAPHY PRESENTS 207 REFERENCES CLASSIFIED ACCORDING TO THE AGDEX FILING SYSTEM. TOPICS ARE: (1) FIELD CROPS, (2) HORTICULTURE, (3) FORESTRY, (4) ANIMAL SCIENCE, (5) SOILS, (6) DISEASES AND PESTS, (7) AGRICULTURAL ENGINEERING, (8) AGRICULTURAL ECONOMICS, (9) AGRICULTURAL OCCUPATIONS, AND (10) PROFESSIONAL. THE AVAILABILITY AND PRICE OF EACH REFERENCE ARE SPECIFIED IN THE ANNOTATION. MATERIALS COLLECTED DURING 1969-70 ARE AVAILABLE IN ED 038 507. (GB)

VT 012 827
PARKER, KENNETH A.; WOODIN, RALPH J.
RECORD OF SUPERVISED OCCUPATIONAL EXPERIENCE FOR STUDENTS OF VOCATIONAL HORTICULTURE.

OHIO STATE UNIV., COLUMBUS. DEPT. OF AGRICULTURAL EDUCATION.
OHIO STATE DEPT. OF EDUCATION, COLUMBUS. AGRICULTURAL EDUCATION SERVICE
OHIO AGRICULTURAL EDUCATION CURRICULUM MATERIALS SERVICE, THE OHIO STATE UNIVERSITY, 2120 FYFFE ROAD, COLUMBUS, OHIO 43210 ($.50).
PUB DATE - 70 32P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *WORKBOOKS; *WORK EXPERIENCE PROGRAMS; *HORTICULTURE; WORK EXPERIENCE; HIGH SCHOOL STUDENTS; AGRICULTURAL OCCUPATIONS; COOPERATIVE EDUCATION; RECORDS (FORMS)

ABSTRACT - THIS RECENT BOOK FOR STUDENTS IN A SUPERVISED OCCUPATIONAL EXPERIENCE PROGRAM OF VOCATIONAL HORTICULTURE WAS DEVELOPED BY THE AGRICULTURAL EDUCATION SERVICE AND THE OHIO STATE UNIVERSITY DEPARTMENT OF AGRICULTURAL EDUCATION. THE FOLLOWING FORMS ARE PROVIDED: (1) OCCUPATIONAL GOALS, (2) EXPERIENCE PROGRAM, (3) EMPLOYMENT AGREEMENT, (4) RECORD OF HOURS WORKED AND WAGES RECEIVED, (5) RECORD OF PROFICIENCY, (6) RECORD OF TEACHER VISITATION, (7) FINANCIAL STATEMENT, AND (8) EVALUATION OF OCCUPATIONAL EXPERIENCE. (GB)

VT 012 832
A SLIDE SET OF AGRICULTURAL WEED IDENTIFICATION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIF. 93401 (SLIDE SET AND ILLUSTRATED SCRIPT $8.50, SINGLE ADDITIONAL SCRIPTS $.50).
PUB DATE - ND 13P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *SLIDES; *INSTRUCTIONAL MATERIALS; *WEEDS; *ILLUSTRATIONS; AGRICULTURE; INSTRUCTIONAL AIDS; PLANT SCIENCE; BOTANY

ABSTRACT - THIS ILLUSTRATED SCRIPT ON WEED IDENTIFICATION WAS DEVELOPED BY THE CALIFORNIA STATE POLYTECHNIC COLLEGE. VIEWS OF THE WHOLE PLANT, FLOWERS, LEAVES, AND METHODS OF SPREADING ARE PRESENTED FOR THESE WEEDS: (1) LAMBS'-QUARTERS, (2) MAYWEED, (3) WHITETOP, (4) BERMUDA GRASS, (5) JOHNSON GRASS, (6) YELLOW OXALIS, (7) WILD OAT, (8) NAPA THISTLE, (9) ALKALI MALLOW, AND (10) BUCKHORN PLANTAIN. THE COMPLETE SET OF 40 SLIDES CAN BE OBTAINED FROM THE SOURCE OF AVAILABILITY LISTED ABOVE. (GB)

VT 012 834
AGRICULTURAL WEED CONTROL.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 (FILMSTRIP, TAPED NARRATION, AND ILLUSTRATED SCRIPT $7.50, SINGLE ADDITIONAL SCRIPTS $.50).
PUB DATE - ND 16P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *SLIDES; *INSTRUCTIONAL MATERIALS; *WEEDS; *ILLUSTRATIONS; HERBICIDES; PLANT SCIENCE; BOTANY; INSTRUCTIONAL AIDS; AGRICULTURE

ABSTRACT - THIS ILLUSTRATED SCRIPT ON WEED CONTROL WAS DEVELOPED BY THE CALIFORNIA STATE POLYTECHNIC COLLEGE AND PRESENTS THE VARIOUS PHASES OF AND METHODS OF WEED CONTROL. THE

COMPLETE SET OF 53 SLIDES, TAPED NARRATION, AND SCRIPT CAN BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED ABOVE. (GB)

VT 012 835
TECHNIQUES IN BUDDING AND GRAFTING.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 (FILMSTRIP, TAPED NARRATION, AND ILLUSTRATED SCRIPT $7.50, ADDITIONAL ILLUSTRATED SCRIPTS $.50).
PUB DATE - ND 18P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *SLIDES; *INSTRUCTIONAL MATERIALS; *PLANT PROPAGATION; *ILLUSTRATIONS; PLANT SCIENCE; HORTICULTURE; BOTANY; INSTRUCTIONAL AIDS

ABSTRACT - THIS ILLUSTRATED SCRIPT ON TECHNIQUES IN BUDDING AND GRAFTING WAS DEVELOPED BY THE CALIFORNIA STATE POLYTECHNIC COLLEGE AND PRESENTS THE VARIOUS STEPS AND METHODS OF BUDDING AND GRAFTING. THE COMPLETE SET OF 61 SLIDES, TAPED NARRATION, AND SCRIPT CAN BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED ABOVE. (GB)

VT 012 836
WATER POLLUTION.

CALIFORNIA STATE POLYTECHNIC COLL., SAN LUIS OBISPO.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401 (FILMSTRIP, TAPED NARRATION, AND ILLUSTRATED SCRIPT $7.50, SINGLE ADDITIONAL SCRIPTS $.50).
PUB DATE - ND 19P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *SLIDES; *INSTRUCTIONAL MATERIALS; *POLLUTION; *WATER POLLUTION CONTROL; ENVIRONMENTAL EDUCATION; ILLUSTRATIONS; WATER RESOURCES; INSTRUCTIONAL AIDS

ABSTRACT - THIS ILLUSTRATED SCRIPT ON WATER POLLUTION WAS DEVELOPED BY THE CALIFORNIA STATE POLYTECHNIC COLLEGE AND PRESENTS VARIOUS SOURCES AND KINDS OF WATER POLLUTION AS WELL AS TIPS ON THE PROPER USE OF FILMSTRIPS AND SLIDE SETS. THE COMPLETE SET OF 60 SLIDES, TAPED NARRATION, AND SCRIPT CAN BE OBTAINED FROM THE SOURCE OF AVAILABILITY INDICATED ABOVE. (GB)

VT 012 837
STECHMAN, JOHN V.
COMMON WESTERN RANGE PLANTS.

CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO. SCHOOL OF AGRICULTURE AND NATURAL RESOURCES.
CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO. VOCATIONAL EDUCATION SECTION
VOCATIONAL EDUCATION PRODUCTIONS, CALIFORNIA STATE POLYTECHNIC COLLEGE, SAN LUIS OBISPO, CALIFORNIA 93401.
PUB DATE - 71 153P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *BOTANY; *SUPPLEMENTARY TEXTBOOKS; *RESOURCE GUIDES; *PLANT SCIENCE; TREES; INSTRUCTIONAL MATERIALS; ILLUSTRATIONS; GLOSSARIES; BIBLIOGRAPHIC CITATIONS

ABSTRACT - THIS MANUAL ON COMMON WESTERN RANGE PLANTS WAS DEVELOPED FOR TEACHER AND STUDENT USE BY THE SCHOOL OF AGRICULTURE AND NATURAL RESOURCES AT CALIFORNIA STATE POLYTECHNIC COLLEGE. TO FACILITATE PRESENTATION OF INFORMATION, THE MANUAL DIVIDES RANGE PLANTS INTO NATURAL GROUPS OF GRASSES, GRASS-LIKE PLANTS, LEGUMES, FORBS, POISONOUS PLANTS, AND SHRUBS AND TREES. CONTENTS ARE: (1) THE NATURE OF RANGELAND, (2) THE STRUCTURE AND NAMING OF PLANTS, (3) PLANT GROWTH AND DEVELOPMENT, (4) RANGE PLANT VALUE, (5) RANGE GRASSES, (6) IMPORTANT GRASS TRIBES, (7) DESCRIPTIONS OF GRASSES, (8) GRASS-LIKE PLANTS, (9) RANGE LEGUMES, (10) RANGE FORBS, (11) POISONOUS PLANTS, AND (12) SHRUBS AND TREES. A GLOSSARY AND BIBLIOGRAPHY ARE APPENDED. (GB)

VT 013 005
DAIRY. UNIT (MODULE): MANAGING THE DAIRY HERD.

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
INSTRUCTIONAL MATERIALS LABORATORY, ROOM 151, TAYLOR EDUCATION BUILDING, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY 40506 (ONE COPY FREE ON REQUEST FROM STATE DIRECTORS OF AGRICULTURAL EDUCATION).
PUB DATE - OCT69 19P.1969 REVISION.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *DAIRYMEN; ANIMAL SCIENCE; *SKILL DEVELOPMENT; LIVESTOCK; *AGRICULTURAL PRODUCTION; SKILLS; FARMERS; BIBLIOGRAPHIC CITATIONS; COURSE CONTENT; TRANSPARENCIES; INSTRUCTIONAL MATERIALS

ABSTRACT - DEVELOPED BY THE INSTRUCTIONAL MATERIALS LABORATORY AT THE UNIVERSITY OF KENTUCKY, THIS INSTRUCTIONAL UNIT IS DESIGNED TO DEVELOP ABILITIES NEEDED IN MANAGING DAIRY HERDS. SEVEN COMPETENCY AREAS ARE PRESENTED WITH SUGGESTED TEACHING TIME, SUGGESTED REFERENCES, AND SUGGESTED INSTRUCTIONAL MATERIALS FOR EACH AREA. REFERENCES, TRANSPARENCY MASTERS, AND MAJOR FEATURES OF THREE COMMON DAIRY HERD TESTING PROGRAMS ARE APPENDED. A RELATED DOCUMENT IN THIS ISSUE IS AVAILABLE AS VT 013 006. (GB)

VT 013 006
DAIRY. UNIT (MODULE): GETTING STARTED IN DAIRYING.

KENTUCKY UNIV., LEXINGTON. INSTRUCTIONAL MATERIALS LAB.
INSTRUCTIONAL MATERIALS LABORATORY, ROOM 151, TAYLOR EDUCATION BUILDING, UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY 40506 (ONE COPY FREE UPON REQUEST FROM STATE DIRECTORS OF AGRICULTURAL EDUCATION).

PUB DATE - OCT69 18P.1969 REVISION.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *ANIMAL SCIENCE; LIVESTOCK; *DAIRYMEN; *SKILL DEVELOPMENT; SKILLS; AGRICULTURAL PRODUCTION; BIBLIOGRAPHIC CITATIONS; TRANSPARENCIES; INSTRUCTIONAL MATERIALS

ABSTRACT - DEVELOPED BY THE INSTRUCTIONAL MATERIALS LABORATORY AT THE UNIVERSITY OF KENTUCKY, THIS INSTRUCTIONAL UNIT IS DESIGNED TO DEVELOP ABILITIES NEEDED TO GET STARTED IN DAIRYING. SIX CONTEMPORARY AREAS ARE PRESENTED WITH SUGGESTED TEACHING TIME, SUGGESTED REFERENCES, AND SUGGESTED INSTRUCTIONAL MATERIALS FOR EACH AREA. REFERENCES, TRANSPARENCY MASTERS, AND COMPARISON DATA OF DAIRY COWS ARE APPENDED. A RELATED DOCUMENT IN THIS ISSUE IS AVAILABLE AS VT 013 005. (GB)

VT 013 122
RICHARDS, F.L.
OUTLINES OF COURSES IN ORNAMENTAL HORTICULTURE.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF AGRICULTURAL EDUCATION.
OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. DIV. OF ADULT AND VOCATIONAL RESEARCH
TEACHER-EDUC-SER-V12-N1
DEPARTMENT OF AGRICULTURAL EDUCATION, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802 ($1.00).
PUB DATE - 71 56P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *CURRICULUM GUIDES; *ORNAMENTAL HORTICULTURE; HIGH SCHOOLS; *POST SECONDARY EDUCATION; LANDSCAPING; NURSERIES (HORTICULTURE); TURF MANAGEMENT; *TECHNICAL EDUCATION

ABSTRACT - INTENDED TO SUGGEST SUBJECT MATTER CONTENT OF COURSES OR PROGRAMS IN ORNAMENTAL HORTICULTURE FOR HIGH SCHOOL AND POSTSECONDARY VOCATIONAL-TECHNICAL PROGRAMS, THIS CURRICULUM GUIDE WAS PREPARED BY STAFF MEMBERS OF THE AGRICULTURAL EDUCATION DEPARTMENT AT THE PENNSYLVANIA STATE UNIVERSITY, AND TESTED IN A WORKSHOP WITH VOCATIONAL AGRICULTURE TEACHERS. CONTENTS ARE: (1) OUTLINES OF COURSES IN ORNAMENTAL HORTICULTURE, (2) ORNAMENTAL HORTICULTURE PROGRAMS FOR GRADES 10, 11, AND 12, (3) NURSERY PRODUCTION, (4) GREENHOUSE CROP PRODUCTION, (5) LANDSCAPE CONTRACTING, (6) RETAIL FLOWER SHOP OPERATION AND MANAGEMENT, (7) TURFGRASS MAINTENANCE AND ESTABLISHMENT, (8) RETAIL GARDEN STORE OPERATIONS, (9) ARBORICULTURE, AND (10) HORTICULTURAL MECHANICS. THE CONTENT IS PRESENTED IN OUTLINE FORM UNDER EACH TOPIC, AND IS APPLICABLE TO THE UNITED STATES AND LOWER CANADA. (GB)

VT 013 309
BIERY, GORDON
FARM MACHINERY SAFETY FOR VOCATIONAL AGRICULTURE INSTRUCTION. (TEACHING UNITS).

INDIANA STATE OFFICE OF THE STATE SUPERINTENDENT OF PUBLIC INSTRUCTION, INDIANAPOLIS.
VOCATIONAL INSTRUCTIONAL MATERIALS LABORATORY, SCHOOL OF TECHNOLOGY, INDIANA STATE UNIVERSITY, TERRE HAUTE, INDIANA 47809.
PUB DATE - MAR70 98P.

DESCRIPTORS - *AGRICULTURAL EDUCATION; *VOCATIONAL AGRICULTURE; *AGRICULTURAL MACHINERY; *AGRICULTURAL SAFETY; *TEACHING GUIDES; AGRICULTURAL ENGINEERING; SAFETY EDUCATION; SECONDARY GRADES; BIBLIOGRAPHIC CITATIONS; FILMS

ABSTRACT - INTENDED FOR VOCATIONAL AGRICULTURE TEACHERS IN TEACHING FARM MACHINERY SAFETY FOR SECONDARY GRADES, THIS TEACHING UNIT WAS DEVELOPED BY THE INDIANA STATE OFFICE OF PUBLIC INSTRUCTION. THE UNIT INCLUDES 21 LESSONS WHICH SHOULD TAKE FROM 25 TO 35 HOURS FOR INSTRUCTION. EACH LESSON INCLUDES TEACHING SUGGESTIONS, OBJECTIVES, MOTIVATION TECHNIQUES, AND QUESTIONS FOR DISCUSSION AND TESTS. REFERENCES AND FILM LISTINGS ARE APPENDED. (GB)

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